

Indonesia Onshore LNG Receiving & Regasification Terminal and 2 Gas Power Plant for 1000MW

| Description | Values | Unit |
|---|---------------------------|--|
| Work Start Year | 2018 | Years |
| Operating Year | 2021 | Years |
| Location of Regasification | New Floating | <-New Floating, GBS, Conversion Floating, Onshore |
| Location of Power Plant | Onshore | <-Offshore, Onshore |
| Site and Contry for Project | Indonesia | |
| Sensitivity of Golobal Financial Crisis | 0 | Years- Active Crisis Year, Otherwise = 0 |
| Type of Generator | Conventional CC with | Conventional CC with Heat Recovery Steam Generat |
| Efficiency of power generator | 48% | |
| Power Plant Factor | 85% | Plant Factor 85% - 90% for net calorific of Gas ranging |
| Power Sales Cost | 0.0900 | USD/kWh =9USc/kwh |
| Total Sales Required Power | 1000 | MW (=MWh/h) |
| Assumed Standard Gas Flow | 181.29 | mmscfd at 288.716°K on 1.013bar |
| Assumed Normal Gas Flow | 171.52 | mmNcfd at 273.16°K on 1.013bar |
| Assumed Operating conditions | 1.83 | mmcfd at 288.16°K on 100bar |
| Required MW Electric Power for Regas Operating System | 5.4388 | MW - for operation of system 0.03MW/mmscfd |
| Theoretical Power Capacty | 1,000 | MW (=MWh/h)-Set of 2 Turbine and 1 steam generat |
| Required LNG | 1.264 | Mtpa |
| Rate of kwh per 1mmbtu | 121.59 | kwh/mmbtu |
| Storage Tank Capacity | 155,111 | m³ -20 days return Loading Time |
| Charter of LNGC Class | 170,000 | m³ -1 Sets Charter |
| Assumed LNG Density | 470 | kg/m³ |
| Claculated British thermal unit | 72,061,158 | mmbtu/year |
| Storage/mmcmm | 83 | Storage(m³)/(mmscfd*0.3048*365) |
| Initial Inflation of Fuel Natural Gas Price | 9.66 | % |
| Fuel Natural Gas Unit Price | 4.199978 | USD/mmbtu in 2021Years |
| LNGC Charter Vessel Type | DE | "Steam vessels(=SV)" or "Diesel electric(DE)" |
| Vessel Spped | 19.5 | knots |
| Transportation Distance | 16000 | km |
| LNGC Charter Price | 26,029,253 | USD/year |
| Working hour per day | 24 | hr |
| Working day per year | 365 | day |
| Total Electricity Power Sales Cost | 788,400,000 | USD/year |
| Unit CAPEX of Regasification | 110.00 | \$/tonne and Storage/mmcmm is 206.9\$/tonne |
| Unit CAPEX of Power | 917.00 | \$/kW |
| Regasification Equipment Area | 178.91 | m²- Floating Storage Sructure |
| Facilities Area | 1789.15 | m²- Floating Storage Sructure |
| LNG Storage Area | .1L x51.58 x28.4D x12.1D | - Floating Storage Tank |
| Power Plant Area | 607,000 | m² without Transmission and Road Area |
| Unit Space Acquisiton Cost | 120 | USD/m³ in Indonesia |
| CAPEX of Area Acquisition Cost | 72,840,000 | USD |
| CAPEX of Old LNGC(Purchased Price) | 0 | USD for 10Years Old (182,480,000USD New LNGC) |
| CAPEX for LNG Terminal and Gas Power Plant | 1,056,034,063 | USD - 일십억오천육백삼만사천육십삼달러 |
| CAPEX for improvement of soft seabed(GBS) | Depth=30.0m | 0 USD only for GBS Type 136.83USD/m3 |
| CAPEX for Break Water Length is | 600m | 60,000,000 USD 100,000USD/m |
| CAPEX for Berthing Dolphine | 170k DWT x 1 set | 30,000,000 USD 176,471k DWT |
| CAPEX for Trestle and Piers of | Pipe x 12.00inch x 0m | 0 USD 12,905USD/m |
| CAPEX for Cryogenic | Pipe x 12.00inch x 0m | 0 USD 184USD/m |
| CAPEX for subsea Cryogenic | Pipe x 12.00inch x 0m | 0 USD 5,051USD/m |
| CAPEX for subsea Gas | Pipe x 12.00inch x 2,000m | 5,050,533 USD 2,525USD/m |
| CAPEX for onshore Gas | Pipe x 12.00inch x 1,000m | 122,899 USD 123USD/m |
| CAPEX for Spur Transmission Line Length is | 35km | 22,647,100 USD -263.5Kv --Single Cir 1 - Circuit |
| CAPEX for Bulk Transmission Line is | 0km | 0 USD 263.5Kv --Single Circuit |
| CAPEX for Grid Connection(Point Of Interconnection) | 1 Sets | 114,000,000 USD, Gas=114\$/kw, Goal,Nuclear=227\$/kw, Solar=11 |
| Total CAPEX for Construction and Fabrication | 1,360,694,594 | USD - 일십삼억육천육십구만사천오백구십사달러 |
| Construction and Fabrication Period | 3 | Years |
| Interest FEE during Construction and Fabrication | 139,769,623 | USD |
| TOTAL CAPEX AND INTREST FEE DURING CONSTRUCTION | 1,500,464,217 | USD - 일십오억사십육만사천이백일십칠달러 |
| Fixed and Various OPEX | 57,143,875 | USD/Year |
| Total cost of purchased Natural Gas | 328,684,532 | USD/Year(including transportation) |
| Fund Intrest | 6.5 | % |
| Return rate on investment of Net Profit, r | 3 | % |

| | |
|----------|----------------|
| 15.556°C | 1.013250274bar |
| 0°C | 1.013250274bar |
| 15°C | 100bar |

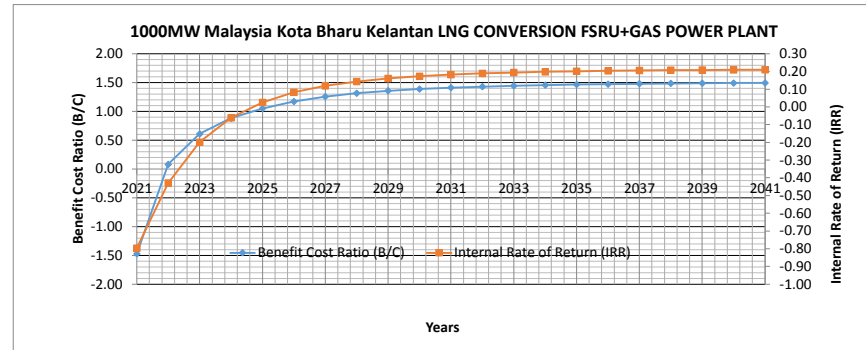
0.91

| LNG FLOATING STORAGE TANK | | | | |
|---------------------------|--------|---------|-------|-------|
| Storage | Length | Breadth | Depth | Draft |
| 155,111m³ | 293.1m | 51.5m | 28.4m | 12.1m |
| 0m³ | 바콜셀 | | | |

해 찾기

| LNG ONSHORE STORAGE TANK | | | | | |
|--------------------------|-------------|-----------|------------|----------|----------------|
| Storage | Nos of Tank | Diameters | Center Gap | Edge gap | Required Space |
| 155,111m³ | 1 | 63.1m | 0.5D | 0.5D | 15,926.4m² |

| | | |
|--|---------------|---|
| Operating Periods | 25 | Years |
| Project Design Life | 50 | Years |
| Benefit Cost Ratio (B/C) | 1.50 | ≥ 1.1 GOOD For 25Years Operating |
| IRR(Internal Rate of Return) | 21.19% | > 0 GOOD For 25Years Operating |
| NPV(Net Present Value) | 4,222,939,472 | USD with Asset value of Project for 25Years |
| Inflation of LNG Purchase Price | 0 | % , If Inflation= 0, the LNG Unit price shall be quoted Forecast Price, otherwise consider inflation based on 2021Years Sale Cost, If no consider Inflation, the value=10E-11 |
| 1. Electric Power Sale Cost is applicable Based on inflation of LNG Forecast Price | 0 | <-- 0 : Not Applicable, 1 : Applicable of LNG Forecast Price |
| 2. Electric Power Sale Price | | |
| Inflation to be considered in yeras(Increased Previous Inflation) | | |
| Income tax rate for government | 20 | % |
| Inflation of Space Acquisition | 1 | % |
| First Project residual value | 893,096,925 | USD after 10 Years(Including Land Acquisition) |
| Second Project residual value | 729,780,131 | USD after 15 Years(Including Land Acquisition) |
| Final residual value on Design Life | 248,580,441 | USD after 50 Years(Including Land Acquisition) |
| Net Payback Turn Over Periods | 4.034 | Years |



| | | | |
|--------------------------------|---------|---------|------|
| Actual Payback turn Over Years | 5Years | 5Years | 해 찾기 |
| Initial Value(min 0%, max 20%) | 18.681% | 18.681% | 0 |
| Limit of Initial Value | ≤ 20% | ≤ 20% | |

| End of Year | ①% of Return of Equity | ②% of Return of FUND | ③Return of Equity (USD) | ④Return of FUND(USD) | ⑤Remain Cost(USD) | ⑥Fund Interest 6.5%(USD) | ⑦OPEX(USD) | ⑧Yearly Revenue(USD) W/ Inflation | ⑨Yearly Purchase Price of Natural Gas(USD) W/ Inflation | ⑩(순이익)Net Profit(USD) | ⑪(현재 자산가치)Asset value=Residual Value(USD) | ⑫(순현재가치)Net Present Value | ⑬Benefit Cost Ratio (B/C) | ⑭(내부수익)Internal Rate of Return (IRR) |
|-------------|------------------------|----------------------|-------------------------|----------------------|-------------------|--------------------------|------------|-----------------------------------|---|-----------------------|---|---------------------------|---------------------------|--------------------------------------|
| | | | 20% of Equity | 80% of FUND | | | | | | | | | | |
| 2021 | 18.68% | 18.68% | 56,058,891 | 224,235,563 | 1,500,464,217 | 97,530,174 | 57,143,875 | 788,400,000 | 328,684,532 | 19,797,572 | 1,303,690,044 | -1,169,230,582 | -1.47 | -0.80 |
| 2022 | 19.34% | 19.34% | 58,038,730 | 232,154,919 | 1,220,169,763 | 79,311,035 | 57,143,875 | 788,400,000 | 337,376,981 | 19,499,569 | 1,248,827,474 | -881,356,200 | 0.08 | -0.43 |
| 2023 | 20.00% | 20.00% | 60,018,569 | 240,074,275 | 929,976,115 | 60,448,447 | 57,143,875 | 788,400,000 | 346,859,653 | 19,084,145 | 1,196,768,477 | -593,532,576 | 0.61 | -0.20 |
| 2024 | 20.66% | 20.66% | 61,998,408 | 247,993,631 | 629,883,271 | 40,942,413 | 57,143,875 | 788,400,000 | 357,922,770 | 17,919,123 | 1,147,292,619 | -306,809,230 | 0.88 | -0.06 |
| 2025 | 21.32% | 21.32% | 63,978,247 | 255,912,986 | 319,891,233 | 20,792,930 | 57,143,875 | 788,400,000 | 365,824,997 | 19,797,572 | 1,100,399,975 | -18,180,164 | 1.05 | 0.03 |
| 2026 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 376,888,114 | 283,494,409 | 1,054,802,765 | 269,953,458 | 1.17 | 0.08 |
| 2027 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 387,951,231 | 274,643,915 | 1,011,788,920 | 540,961,511 | 1.26 | 0.12 |
| 2028 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 399,014,348 | 265,793,421 | 970,070,662 | 795,597,168 | 1.31 | 0.14 |
| 2029 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 410,077,466 | 256,942,928 | 930,935,922 | 1,034,584,254 | 1.36 | 0.16 |
| 2030 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 421,140,583 | 248,092,434 | 893,096,925 | 1,258,618,320 | 1.39 | 0.17 |
| 2031 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 424,454,420 | 245,441,364 | 857,841,603 | 1,473,802,863 | 1.41 | 0.18 |
| 2032 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 427,768,257 | 242,790,295 | 823,882,182 | 1,680,463,333 | 1.43 | 0.19 |
| 2033 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 431,082,094 | 240,139,225 | 791,218,742 | 1,878,913,730 | 1.44 | 0.19 |
| 2034 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 434,395,931 | 237,488,155 | 759,851,364 | 2,069,456,993 | 1.46 | 0.20 |
| 2035 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 437,709,768 | 234,837,086 | 729,780,131 | 2,252,385,378 | 1.47 | 0.20 |
| 2036 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 440,939,170 | 232,253,564 | 702,292,979 | 2,428,031,910 | 1.47 | 0.20 |
| 2037 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 444,168,572 | 229,670,042 | 676,102,139 | 2,596,665,590 | 1.48 | 0.21 |
| 2038 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 447,397,975 | 227,086,520 | 649,919,840 | 2,758,545,927 | 1.48 | 0.21 |
| 2039 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 450,627,377 | 224,502,998 | 625,034,022 | 2,913,923,261 | 1.49 | 0.21 |
| 2040 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 453,856,779 | 221,919,477 | 601,444,771 | 3,063,039,078 | 1.49 | 0.21 |
| 2041 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 457,086,182 | 219,335,955 | 579,152,175 | 3,206,126,316 | 1.49 | 0.21 |
| 2042 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 460,315,584 | 216,752,433 | 558,156,321 | 3,343,409,652 | 1.50 | 0.21 |
| 2043 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 463,544,986 | 214,168,911 | 538,457,299 | 3,475,105,793 | 1.50 | 0.21 |
| 2044 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 466,774,388 | 211,585,389 | 518,767,343 | 3,601,423,743 | 1.50 | 0.21 |
| 2045 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 57,143,875 | 788,400,000 | 470,003,791 | 209,001,867 | 500,374,398 | 3,722,565,073 | 1.50 | 0.21 |
| 2046 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2047 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2048 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2049 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2050 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2051 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2052 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2053 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2054 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2055 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2056 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2057 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|------|-----------|-------|-------|-------------|---------------|---------------|-------------|---------------|----------------|----------------|---------------|-------------|---------------|------|------|
| 2058 | 38 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2059 | 39 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2060 | 40 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2061 | 41 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2062 | 42 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2063 | 43 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2064 | 44 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2065 | 45 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2066 | 46 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2067 | 47 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2068 | 48 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2069 | 49 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2070 | 50 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| | Summation | 100% | 100% | 300,092,843 | 1,200,371,374 | 4,600,384,600 | 299,024,999 | 1,428,596,875 | 19,710,000,000 | 10,441,865,946 | 4,832,038,370 | 500,374,398 | 4,222,939,472 | 1.50 | 0.21 |

ENVIRONMENTAL EMISSIONS

TYPE OF TURBINE =

1 Conventional CC with Heat Recovery Steam Generator

| SO2 (kg/kWh) | Nox (kg/kWh) | CO2 (kg/kWh) | SO2 (kg/day) | Nox (kg/day) | CO2 (kg/day) | SO2 (tonne/year) | Nox (tonne/year) | CO2 (tonne/year) |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|
| 3.20E-06 | 2.40E-05 | 3.74E-01 | 7.67E+01 | 5.76E+02 | 8.98E+06 | 28 | 210 | 3,277,513 |

Natural Gas Markets Prices and FSRU or Onshore LNG Terminal CAPEX is referred to David Carroll(President of the International Gas Union), 2016, "IGU World Gas LNG Report", LNG 18 Conference & Exhibition Edition, pp.52 to pp.53

CAPEX of Power types and Environmental Emissions are referred to U.S. Energy Information Administration, 2013, "Updated Capital Cost Estimates for Utility Scale Electricity Generating Plants", pp.2-10, Table 2-5 Technology Performance Specifications

Indonesia Onshore LNG Receiving & Regasification Terminal and 2 Gas Power Plant for 480MW

| Description | Values | Unit |
|--|--------------------------|---|
| Work Start Year | 2018 | Years |
| Operating Year | 2021 | Years |
| Location of Regasification | New Floating | <-New Floating, GBS, Conversion Floating, Onshore |
| Location of Power Plant | Onshore | <-Offshore, Onshore |
| Site and Contry for Project | Indonesia | |
| Sensitivity of Golobal Financial Crisis | 0 | Years- Active Crisis Year, Otherwise = 0 |
| Type of Generator | Conventional CC with | Conventional CC with Heat Recovery Steam Generat |
| Efficiency of power generator | 48% | |
| Power Plant Factor | 85% | Plant Factor 85% - 90% for net calorific of Gas ranging |
| Power Sales Cost | 0.0900 | USD/kWh =9USc/kwh |
| Total Sales Required Power | 480 | MW (=MWh/h) |
| Assumed Standard Gas Flow | 87.02 | mmscfd at 288.716°K on 1.013bar |
| Assumed Normal Gas Flow | 82.33 | mmNcfd at 273.16°K on 1.013bar |
| Assumed Operating conditions | 0.88 | mmcfd at 288.16°K on 100bar |
| Required MW Electric Power for Regas Operating System | 2.6106 | MW - for operation of system 0.03MW/mmscfd |
| Theoretical Power Capacty | 480 | MW (=MWh/h)-Set of 2 Turbine and 1 steam generat |
| Required LNG | 0.607 | Mtpa |
| Rate of kwh per 1mmbtu | 121.55 | kwh/mmbtu |
| Storage Tank Capacity | 160,819 | m³ -43.2 days return Loading Time |
| Charter of LNGC Class | 170,000 | m³ -1 Sets Charter |
| Assumed LNG Density | 470 | kg/m³ |
| Claculated British thermal unit | 34,589,356 | mmbtu/year |
| Storage/mmcmm | 179 | Storage(m³)/(mmscfd*0.3048**365) |
| Initial Inflation of Fuel Natural Gas Price | 9.66 | % |
| Fuel Natural Gas Unit Price | 4.199978 | USD/mmbtu in 2021Years |
| LNGC Charter Vessel Type | DE | "Steam vessels(=SV)" or "Diesel electric(DE)" |
| Vessel Spped | 19.5 | knots |
| Transportation Distance | 16000 | km |
| LNGC Charter Price | 12,050,580 | USD/year |
| Working hour per day | 24 | hr |
| Working day per year | 365 | day |
| Total Electricity Power Sales Cost | 378,432,000 | USD/year |
| Unit CAPEX of Regasification | 110.00 | \$/tonne and Storage/mmcmm is 447\$/tonne |
| Unit CAPEX of Power | 917.00 | \$/kW |
| Regasification Equipment Area | 85.88 | m²- Floating Storage Sructure |
| Facilities Area | 858.79 | m²- Floating Storage Sructure |
| LNG Storage Area | .7L x52.1B x28.7D x12.2D | - Floating Storage Tank |
| Power Plant Area | 291,360 | m² without Transmission and Road Area |
| Unit Space Acquisition Cost | 120 | USD/m³ in Indonesia |
| CAPEX of Area Acquisition Cost | 34,963,200 | USD |
| CAPEX of Old LNGC(Purchased Price) | 0 | USD for 10Years Old (189,200,000USD New LNGC) |
| CAPEX for LNG Terminal and Gas Power Plant | 506,896,350 | USD - 오억육백팔십구만육천삼백오십팔리 |
| CAPEX for improvement of soft seabed(GBS) Depth=30.0m | 0 | USD only for GBS Type 136.83USD/m3 |
| CAPEX for Break Water Length is 600m | 60,000,000 | USD |
| CAPEX for Berthing Dolphine 170k DWT x 1 set | 30,000,000 | USD |
| CAPEX for Trestle and Piers of Pipe x 12.00inch x 0m | 0 | USD |
| CAPEX for Cryogenic Pipe x 12.00inch x 0m | 0 | USD |
| CAPEX for subsea Cryogenic Pipe x 12.00inch x 0m | 0 | USD |
| CAPEX for subsea Gas Pipe x 12.00inch x 2,000m | 5,050,533 | USD |
| CAPEX for onshore Gas Pipe x 12.00inch x 1,000m | 122,899 | USD |
| CAPEX for Spur Transmission Line Length is 35km | 16,918,559 | USD -178.7Kv --Single Cir 1 - Circuit |
| CAPEX for Bulk Transmission Line is 0km | 0 | USD 178.7Kv --Single Circuit |
| CAPEX for Grid Connection(Point Of Interconnection) 1 Sets | 54,720,000 | USD, Gas=114\$/kw, Goal,Nuclear=227\$/kw, Solar=11 |
| Total CAPEX for Construction and Fabrication | 708,671,541 | USD - 칠억팔백육십칠만일천오백사십팔리 |
| Construction and Fabrication Period | 3 | Years |
| Interest FEE during Construction and Fabrication | 72,504,387 | USD |
| TOTAL CAPEX AND INTREST FEE DURING CONSTRUCTION | 781,175,928 | USD - 칠억팔천일백칠십칠만오천구백이십팔리 |
| Fixed and Various OPEX | 27,429,060 | USD/Year |
| Total cost of purchased Natural Gas | 157,325,114 | USD/Year(including transportation) |
| Fund Interest | 6.5 | % |
| Return rate on investment of Net Profit, r | 3 | % |

| | |
|----------|----------------|
| 15.556°C | 1.013250274bar |
| 0°C | 1.013250274bar |
| 15°C | 100bar |

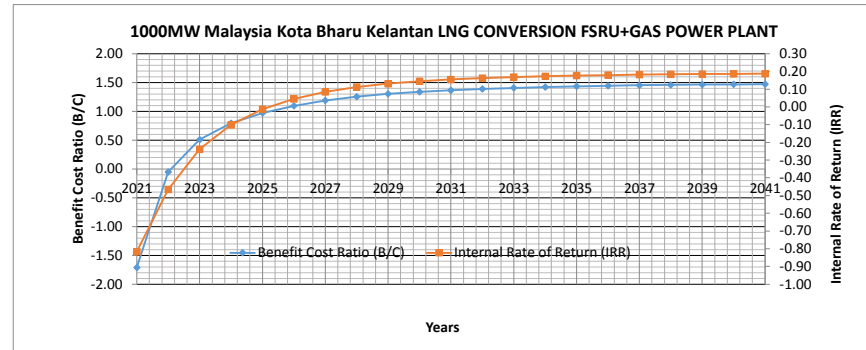
0.95

| LNG FLOATING STORAGE TANK | | | | |
|---------------------------|--------|---------|-------|-------|
| Storage | Length | Breadth | Depth | Draft |
| 160,819m³ | 296.7m | 52.1m | 28.7m | 12.2m |
| 0m³ | 바콜셀 | | | |

해 찾기

| LNG ONSHORE STORAGE TANK | | | | | |
|--------------------------|-------------|-----------|------------|----------|----------------|
| Storage | Nos of Tank | Diameters | Center Gap | Edge gap | Required Space |
| 160,819m³ | 1 | 63.9m | 0.5D | 0.5D | 16,332.8m² |

| | | |
|--|--------------------------------|---|
| Operating Periods | 25 | Years |
| Project Design Life | 50 | Years |
| Benefit Cost Ratio (B/C) | 1.48 | ≥ 1.1 GOOD For 25Years Operating |
| IRR(Internal Rate of Return) | 18.98% | > 0 GOOD For 25Years Operating |
| NPV(Net Present Value) | 1,959,672,904 | USD with Asset value of Project for 25Years |
| Inflation of LNG Purchase Price | 0 | % , If Inflation= 0, the LNG Unit price shall be quoted Forecast Price, otherwise consider inflation based on 2021Years Sale Cost, If no consider Inflation, the value=10E-11 |
| 1. Electric Power Sale Cost is applicable Based on inflation of LNG Forecast Price | 0 | <-- 0 : Not Applicable, 1 : Applicable of LNG Forecast Price |
| 2. Electric Power Sale Price | from 2021Years to 2022 Years 0 | % from 1Years to 2 Years |
| Inflation to be considered in yeras(Increased Previous Inflation) | from 2023Years to 2025 Years 0 | % from 3Years to 5 Years |
| | from 2026Years to 2030 Years 0 | % from 6Years to 10 Years |
| | from 2031Years to 2035 Years 0 | % from 11Years to 15 Years |
| | from 2036Years to 2045 Years 0 | % from 16Years to 25 Years |
| Income tax rate for government | 20 | % |
| Inflation of Space Acquisition | 1 | % |
| First Project residual value | 463,731,087 | USD after 10 Years(Including Land Acquisition) |
| Second Project residual value | 378,119,069 | USD after 15 Years(Including Land Acquisition) |
| Final residual value on Design Life | 124,872,425 | USD after 50 Years(Including Land Acquisition) |
| Net Payback Turn Over Periods | 5.008 | Years |



| | | | |
|------------------------------------|-----------|-----------|------|
| Actual Payback turn Over Years | 6Years | 6Years | 해 찾기 |
| Initial Value(min 0%, max 16.667%) | 15.478% | 15.478% | 0 |
| Limit of Initial Value | ≤ 16.667% | ≤ 16.667% | |

| End of Year | ①% of Return of Equity | ②% of Return of FUND | ③Return of Equity (USD) | ④Return of FUND(USD) | ⑤Remain Cost(USD) | ⑥Fund Interest 6.5%(USD) | ⑦OPEX(USD) | ⑧Yearly Revenue(USD) W/ Inflation | ⑨Yearly Purchase Price of Natural Gas(USD) W/ Inflation | ⑩(순이익)Net Profit(USD) | ⑪(현재 자산가치)Asset value=Residual Value(USD) | ⑫(순현재가치)Net Present Value | ⑬Benefit Cost Ratio (B/C) | ⑭(내부수익률)Internal Rate of Return (IRR) |
|-------------|------------------------|----------------------|-------------------------|----------------------|-------------------|--------------------------|------------|-----------------------------------|---|-----------------------|---|---------------------------|---------------------------|---------------------------------------|
| | | | 20% of Equity | 80% of FUND | | | | | | | | | | |
| 2021 | 15.48% | 15.48% | 24,181,960 | 96,727,841 | 781,175,928 | 50,776,435 | 27,429,060 | 378,432,000 | 157,325,114 | 17,593,272 | 678,819,650 | -623,724,965 | -1.71 | -0.82 |
| 2022 | 15.95% | 15.95% | 24,924,855 | 99,699,421 | 660,266,127 | 42,917,298 | 27,429,060 | 378,432,000 | 161,497,489 | 17,571,101 | 650,087,967 | -489,576,040 | -0.05 | -0.47 |
| 2023 | 16.43% | 16.43% | 25,667,750 | 102,671,000 | 535,641,852 | 34,816,720 | 27,429,060 | 378,432,000 | 166,049,172 | 17,438,638 | 622,822,585 | -356,181,218 | 0.51 | -0.24 |
| 2024 | 16.90% | 16.90% | 26,410,645 | 105,642,580 | 407,303,101 | 26,474,702 | 27,429,060 | 378,432,000 | 171,359,468 | 16,892,436 | 596,908,186 | -224,056,491 | 0.80 | -0.10 |
| 2025 | 17.38% | 17.38% | 27,153,540 | 108,614,160 | 275,249,876 | 17,891,242 | 27,429,060 | 378,432,000 | 175,152,537 | 17,753,169 | 572,344,806 | -91,768,180 | 0.97 | -0.01 |
| 2026 | 17.86% | 17.86% | 27,896,435 | 111,585,740 | 139,482,175 | 9,066,341 | 27,429,060 | 378,432,000 | 180,462,833 | 17,593,272 | 548,458,772 | 39,524,768 | 1.10 | 0.05 |
| 2027 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 185,773,130 | 132,183,848 | 525,923,830 | 169,958,706 | 1.19 | 0.09 |
| 2028 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 191,083,426 | 127,935,611 | 504,066,307 | 292,523,697 | 1.25 | 0.11 |
| 2029 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 196,393,722 | 123,687,374 | 483,559,950 | 407,567,475 | 1.30 | 0.13 |
| 2030 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 201,704,018 | 119,439,137 | 463,731,087 | 515,424,193 | 1.34 | 0.14 |
| 2031 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 203,294,660 | 118,166,624 | 445,253,465 | 619,023,808 | 1.37 | 0.15 |
| 2032 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 204,885,302 | 116,894,110 | 427,453,413 | 718,522,810 | 1.39 | 0.16 |
| 2033 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 206,475,944 | 115,621,597 | 410,330,970 | 814,072,181 | 1.41 | 0.17 |
| 2034 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 208,066,585 | 114,349,084 | 393,886,176 | 905,817,587 | 1.42 | 0.17 |
| 2035 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 209,657,227 | 113,076,570 | 378,119,069 | 993,899,563 | 1.43 | 0.18 |
| 2036 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 211,207,340 | 111,836,480 | 363,703,397 | 1,078,478,200 | 1.44 | 0.18 |
| 2037 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 212,757,453 | 110,596,389 | 349,965,493 | 1,159,682,853 | 1.45 | 0.18 |
| 2038 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 214,307,566 | 109,356,299 | 336,231,688 | 1,237,638,314 | 1.46 | 0.18 |
| 2039 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 215,857,680 | 108,116,208 | 323,175,733 | 1,312,464,968 | 1.46 | 0.19 |
| 2040 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 217,407,793 | 106,876,118 | 310,797,668 | 1,384,278,943 | 1.47 | 0.19 |
| 2041 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 218,957,906 | 105,636,027 | 299,097,535 | 1,453,192,256 | 1.47 | 0.19 |
| 2042 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 220,508,019 | 104,395,937 | 288,075,377 | 1,519,312,956 | 1.47 | 0.19 |
| 2043 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 222,058,132 | 103,155,846 | 277,731,236 | 1,582,745,257 | 1.48 | 0.19 |
| 2044 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 223,608,245 | 101,915,756 | 267,391,447 | 1,643,589,673 | 1.48 | 0.19 |
| 2045 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 27,429,060 | 378,432,000 | 225,158,358 | 100,675,665 | 257,729,762 | 1,701,943,142 | 1.48 | 0.19 |
| 2046 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2047 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2048 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2049 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2050 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2051 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2052 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2053 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2054 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2055 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2056 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2057 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|------|-----------|-------|-------|-------------|-------------|---------------|-------------|-------------|---------------|---------------|---------------|-------------|---------------|------|------|
| 2058 | 38 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2059 | 39 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2060 | 40 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2061 | 41 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2062 | 42 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2063 | 43 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2064 | 44 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2065 | 45 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2066 | 46 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2067 | 47 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2068 | 48 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2069 | 49 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2070 | 50 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| | Summation | 100% | 100% | 156,235,186 | 624,940,742 | 2,799,119,059 | 181,942,739 | 685,726,500 | 9,460,800,000 | 5,001,009,121 | 2,248,756,570 | 257,729,762 | 1,959,672,904 | 1.48 | 0.19 |

ENVIRONMENTAL EMISSIONS

TYPE OF TURBINE =

1 Conventional CC with Heat Recovery Steam Generator

| SO2 (kg/kWh) | Nox (kg/kWh) | CO2 (kg/kWh) | SO2 (kg/day) | Nox (kg/day) | CO2 (kg/day) | SO2 (tonne/year) | Nox (tonne/year) | CO2 (tonne/year) |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|
| 3.20E-06 | 2.40E-05 | 3.74E-01 | 3.68E+01 | 2.76E+02 | 4.31E+06 | 13 | 101 | 1,573,206 |

Natural Gas Markets Prices and FSRU or Onshore LNG Terminal CAPEX is referred to David Carroll(President of the International Gas Union), 2016, "IGU World Gas LNG Report", LNG 18 Conference & Exhibition Edition, pp.52 to pp.53

CAPEX of Power types and Environmental Emissions are referred to U.S. Energy Information Administration, 2013, "Updated Capital Cost Estimates for Utility Scale Electricity Generating Plants", pp.2-10, Table 2-5 Technology Performance Specifications

Indonesia Onshore LNG Receiving & Regasification Terminal and 2 Gas Power Plant for 480MW

| Description | Values | Unit |
|--|----------------------|---|
| Work Start Year | 2018 | Years |
| Operating Year | 2021 | Years |
| Location of Regasification | GBS | <-New Floating, GBS, Conversion Floating, Onshore |
| Location of Power Plant | Onshore | <-Offshore, Onshore |
| Site and Contry for Project | Indonesia | |
| Sensitivity of Golobal Financial Crisis | 0 | Years- Active Crisis Year, Otherwise = 0 |
| Type of Generator | Conventional CC with | Conventional CC with Heat Recovery Steam Generat |
| Efficiency of power generator | 48% | |
| Power Plant Factor | 85% | Plant Factor 85% - 90% for net calorific of Gas ranging |
| Power Sales Cost | 0.0900 | USD/kWh =9USc/kwh |
| Total Sales Required Power | 480 | MW (=MWh/h) |
| Assumed Standard Gas Flow | 87.02 | mmscfd at 288.716°K on 1.013bar |
| Assumed Normal Gas Flow | 82.33 | mmNcfd at 273.16°K on 1.013bar |
| Assumed Operating conditions | 0.88 | mmcfd at 288.16°K on 100bar |
| Required MW Electric Power for Regas Operating System | 2.6106 | MW - for operation of system 0.03MW/mmscfd |
| Theoretical Power Capacty | 480 | MW (=MWh/h)-Set of 2 Turbine and 1 steam generat |
| Required LNG | 0.607 | Mtpa |
| Rate of kwh per 1mmbtu | 121.55 | kwh/mmbtu |
| Storage Tank Capacity | 160,819 | m³ -43.2 days return Loading Time |
| Charter of LNGC Class | 170,000 | m³ -1 Sets Charter |
| Assumed LNG Density | 470 | kg/m³ |
| Claculated British thermal unit | 34,589,356 | mmbtu/year |
| Storage/mmcmm | 179 | Storage(m³)/(mmscfd*0.3048**365) |
| Initial Inflation of Fuel Natural Gas Price | 9.66 | % |
| Fuel Natural Gas Unit Price | 4.199978 | USD/mmbtu in 2021Years |
| LNGC Charter Vessel Type | DE | "Steam vessels(=SV)" or "Diesel electric(DE)" |
| Vessel Spped | 19.5 | knots |
| Transportation Distance | 16000 | km |
| LNGC Charter Price | 12,050,580 | USD/year |
| Working hour per day | 24 | hr |
| Working day per year | 365 | day |
| Total Electricity Power Sales Cost | 378,432,000 | USD/year |
| Unit CAPEX of Regasification | 447.00 | \$/tonne and Storage/mmcmm is 447\$/tonne |
| Unit CAPEX of Power | 917.00 | \$/kW |
| Regasification Equipment Area | 85.88 | m²- Floating Storage Sructure |
| Facilities Area | 858.79 | m²- Floating Storage Sructure |
| LNG Storage Area | 16332.84 | m²- GBS Storage Tank |
| Power Plant Area | 291,360 | m² without Transmission and Road Area |
| Unit Space Acquisiton Cost | 120 | USD/m³ in Indonesia |
| CAPEX of Area Acquisition Cost | 34,963,200 | USD |
| CAPEX of Old LNGC(Purchased Price) | 0 | USD for 10Years Old (189,200,000USD New LNGC) |
| CAPEX for LNG Terminal and Gas Power Plant | 711,352,259 | USD - 철역일전일백삼십오만이천이백오십구달러 |
| CAPEX for improvement of soft seabed(GBS) Depth=30.0m | 83,805,844 | USD only for GBS Type 136.83USD/m3 60% Replacement |
| CAPEX for Break Water Length is | 0m | 0 USD 100,000USD/m |
| CAPEX for Berthing Dolphine 170k DWT x 1 set | 30,000,000 | USD 176,471k DWT |
| CAPEX for Trestle and Piers of Pipe x 12.00inch x 0m | 0 | USD 12,905USD/m |
| CAPEX for Cryogenic Pipe x 12.00inch x 0m | 0 | USD 184USD/m |
| CAPEX for subsea Cryogenic Pipe x 12.00inch x 0m | 0 | USD 5,051USD/m |
| CAPEX for subsea Gas Pipe x 12.00inch x 2,000m | 5,050,533 | USD 2,525USD/m |
| CAPEX for onshore Gas Pipe x 12.00inch x 1,000m | 122,899 | USD 123USD/m |
| CAPEX for Spur Transmission Line Length is 35km | 16,918,559 | USD -178.7Kv --Single Cir 1 - Circuit |
| CAPEX for Bulk Transmission Line is 0km | 0 | USD 178.7Kv --Single Circuit |
| CAPEX for Grid Connection(Point Of Interconnection) 1 Sets | 54,720,000 | USD, Gas=114\$/kw, Coal,Nuclear=227\$/kw, Solar=11 |
| Total CAPEX for Construction and Fabrication | 936,933,293 | USD - 구역상전록핵구심삼만삼천이백구십삼달러 |
| Construction and Fabrication Period | 3 | Years |
| Interest FEE during Construction and Fabrication | 94,759,908 | USD |
| TOTAL CAPEX AND INSTREST FEE DURING CONSTRUCTION | 1,031,693,202 | USD - 일십억삼천일백육십구만삼천이백이달러 |
| Fixed and Various OPEX | 36,016,208 | USD/Year |
| Total cost of purchased Natural Gas | 157,325,114 | USD/Year(including transportation) |
| Fund Interest | 6.5 | % |
| Return rate on investment of Net Profit, r | 3 | % |

| | |
|----------|----------------|
| 15.556°C | 1.013250274bar |
| 0°C | 1.013250274bar |
| 15°C | 100bar |

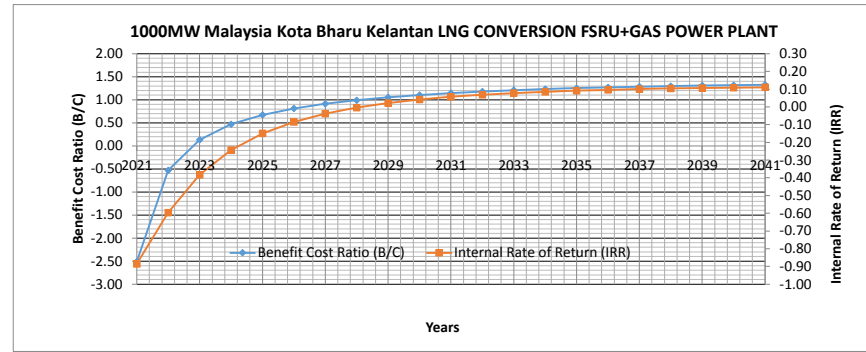
0.95

| LNG FLOATING STORAGE TANK | | | | |
|---------------------------|--------|---------|-------|-------|
| Storage | Length | Breadth | Depth | Draft |
| 160,819m³ | 296.7m | 52.1m | 28.7m | 12.2m |
| 0m³ | 바콜셀 | | | |

해 찾기

| LNG ONSHORE STORAGE TANK | | | | | |
|--------------------------|-------------|-----------|------------|----------|----------------|
| Storage | Nos of Tank | Diameters | Center Gap | Edge gap | Required Space |
| 160,819m³ | 1 | 63.9m | 0.5D | 0.5D | 16,332.8m² |

| | | |
|--|--|---|
| Operating Periods | 25 | Years |
| Project Design Life | 50 | Years |
| Benefit Cost Ratio (B/C) | 1.35 | ≥ 1.1 GOOD For 25Years Operating |
| IRR(Internal Rate of Return) | 11.63% | > 0 GOOD For 25Years Operating |
| NPV(Net Present Value) | 1,505,943,036 | USD with Asset value of Project for 25Years |
| Inflation of LNG Purchase Price | 0 | % , If Inflation= 0, the LNG Unit price shall be quoted Forecast Price, otherwise consider inflation based on 2021Years Sale Cost, If no consider Inflation, the value=10E-11 |
| 1. Electric Power Sale Cost is applicable Based on inflation of LNG Forecast Price | 0 | <-- 0 : Not Applicable, 1 : Applicable of LNG Forecast Price |
| 2. Electric Power Sale Price Inflation to be considered in years(Increased Previous Inflation) | from 2021Years to 2022 Years from 2023Years to 2025 Years from 2026Years to 2030 Years from 2031Years to 2035 Years from 2036Years to 2045 Years | 0 0 0 0 0 |
| Income tax rate for government | 20 | % |
| Inflation of Space Acquisition | 1 | % |
| First Project residual value | 607,764,253 | USD after 10 Years(Including Land Acquisition) |
| Second Project residual value | 492,478,207 | USD after 15 Years(Including Land Acquisition) |
| Final residual value on Design Life | 147,698,601 | USD after 50 Years(Including Land Acquisition) |
| Net Payback Turn Over Periods | 8.002 | Years |



| | | | |
|------------------------------------|-----------|-----------|------|
| Actual Payback turn Over Years | 9Years | 9Years | 해 찾기 |
| Initial Value(min 0%, max 11.111%) | 10.147% | 10.147% | 0 |
| Limit of Initial Value | ≤ 11.111% | ≤ 11.111% | |

| End of Year | ①% of Return of Equity | ②% of Return of FUND | ③Return of Equity (USD) | ④Return of FUND(USD) | ⑤Remain Cost(USD) | ⑥Fund Interest 6.5%(USD) | ⑦OPEX(USD) | ⑧Yearly Revenue(USD) W/ Inflation | ⑨Yearly Purchase Price of Natural Gas(USD) W/ Inflation | ⑩(순이익)Net Profit(USD) | ⑪(원제 자산가치)Asset value=Residual Value(USD) | ⑫(순현재가치)Net Present Value | ⑬Benefit Cost Ratio (B/C) | ⑭(내부수익률)Internal Rate of Return (IRR) | |
|-------------|------------------------|----------------------|-------------------------|----------------------|-------------------|--------------------------|------------|-----------------------------------|---|-----------------------|---|---------------------------|---------------------------|---------------------------------------|-------|
| | | | 20% of Equity | 80% of FUND | | | | | | | | | | | |
| 2021 | 1 | 10.15% | 10.15% | 20,937,137 | 83,748,549 | 1,031,693,202 | 67,060,058 | 36,016,208 | 378,432,000 | 157,325,114 | 10,675,947 | 896,848,707 | -890,388,706 | -2.51 | -0.89 |
| 2022 | 2 | 10.39% | 10.39% | 21,434,482 | 85,737,927 | 927,007,516 | 60,255,489 | 36,016,208 | 378,432,000 | 161,497,489 | 10,792,324 | 858,262,686 | -779,965,138 | -0.53 | -0.60 |
| 2023 | 3 | 10.63% | 10.63% | 21,931,826 | 87,727,306 | 819,835,107 | 53,289,282 | 36,016,208 | 378,432,000 | 166,049,172 | 10,734,565 | 821,638,571 | -670,612,517 | 0.13 | -0.38 |
| 2024 | 4 | 10.87% | 10.87% | 22,429,171 | 89,716,684 | 710,175,975 | 46,161,438 | 36,016,208 | 378,432,000 | 171,359,468 | 10,199,224 | 786,821,964 | -562,877,092 | 0.47 | -0.24 |
| 2025 | 5 | 11.11% | 11.11% | 22,926,516 | 91,706,062 | 598,030,120 | 38,871,958 | 36,016,208 | 378,432,000 | 175,152,537 | 11,006,975 | 753,812,899 | -455,351,402 | 0.67 | -0.15 |
| 2026 | 6 | 11.35% | 11.35% | 23,423,860 | 93,695,441 | 483,397,542 | 31,420,840 | 36,016,208 | 378,432,000 | 180,462,833 | 10,730,254 | 721,709,442 | -349,216,845 | 0.81 | -0.08 |
| 2027 | 7 | 11.59% | 11.59% | 23,921,205 | 95,684,819 | 366,278,241 | 23,808,086 | 36,016,208 | 378,432,000 | 185,773,130 | 10,582,842 | 691,413,601 | -244,356,004 | 0.91 | -0.04 |
| 2028 | 8 | 11.83% | 11.83% | 24,418,549 | 97,674,198 | 246,672,217 | 16,033,694 | 36,016,208 | 378,432,000 | 191,083,426 | 10,564,740 | 662,023,440 | -140,660,838 | 0.99 | 0.00 |
| 2029 | 9 | 12.08% | 12.08% | 24,915,894 | 99,663,576 | 124,579,470 | 8,097,666 | 36,016,208 | 378,432,000 | 196,393,722 | 10,675,947 | 634,440,969 | -38,032,128 | 1.05 | 0.02 |
| 2030 | 10 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 201,704,018 | 112,569,419 | 607,764,253 | 63,621,051 | 1.10 | 0.04 |
| 2031 | 11 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 203,294,660 | 111,296,905 | 582,895,302 | 161,197,814 | 1.15 | 0.06 |
| 2032 | 12 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 204,885,302 | 110,024,392 | 558,932,183 | 254,849,385 | 1.18 | 0.07 |
| 2033 | 13 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 206,475,944 | 108,751,879 | 535,874,934 | 344,721,639 | 1.21 | 0.08 |
| 2034 | 14 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 208,066,585 | 107,479,365 | 513,723,596 | 430,955,283 | 1.23 | 0.09 |
| 2035 | 15 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 209,657,227 | 106,206,852 | 492,478,207 | 513,686,031 | 1.25 | 0.09 |
| 2036 | 16 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 211,247,840 | 104,966,761 | 473,040,776 | 593,069,302 | 1.27 | 0.10 |
| 2037 | 17 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 212,757,453 | 103,726,671 | 454,509,376 | 669,229,911 | 1.29 | 0.10 |
| 2038 | 18 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 214,307,566 | 102,486,580 | 435,982,074 | 742,288,242 | 1.30 | 0.10 |
| 2039 | 19 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 215,857,680 | 101,246,490 | 418,360,884 | 812,360,400 | 1.31 | 0.11 |
| 2040 | 20 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 217,407,793 | 100,006,399 | 401,645,846 | 879,558,359 | 1.32 | 0.11 |
| 2041 | 21 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 218,957,906 | 98,766,309 | 385,837,001 | 943,990,104 | 1.33 | 0.11 |
| 2042 | 22 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 220,508,019 | 97,526,218 | 370,934,393 | 1,005,759,767 | 1.33 | 0.11 |
| 2043 | 23 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 222,058,132 | 96,286,128 | 356,938,064 | 1,064,967,760 | 1.34 | 0.11 |
| 2044 | 24 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 223,608,245 | 95,046,037 | 342,946,087 | 1,121,710,906 | 1.35 | 0.12 |
| 2045 | 25 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 36,016,208 | 378,432,000 | 225,158,358 | 93,805,947 | 329,860,476 | 1,176,082,560 | 1.35 | 0.12 |
| 2046 | 26 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2047 | 27 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2048 | 28 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2049 | 29 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2050 | 30 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2051 | 31 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2052 | 32 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2053 | 33 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2054 | 34 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2055 | 35 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2056 | 36 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2057 | 37 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|------|-----------|-------|-------|-------------|-------------|---------------|-------------|-------------|---------------|---------------|---------------|-------------|---------------|------|------|
| 2058 | 38 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2059 | 39 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2060 | 40 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2061 | 41 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2062 | 42 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2063 | 43 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2064 | 44 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2065 | 45 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2066 | 46 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2067 | 47 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2068 | 48 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2069 | 49 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2070 | 50 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| | Summation | 100% | 100% | 206,338,640 | 825,354,561 | 5,307,669,389 | 344,998,510 | 900,405,204 | 9,460,800,000 | 5,001,009,121 | 1,746,155,170 | 329,860,476 | 1,505,943,036 | 1.35 | 0.12 |

ENVIRONMENTAL EMISSIONS

TYPE OF TURBINE =

1 Conventional CC with Heat Recovery Steam Generator

| SO2 (kg/kWh) | Nox (kg/kWh) | CO2 (kg/kWh) | SO2 (kg/day) | Nox (kg/day) | CO2 (kg/day) | SO2 (tonne/year) | Nox (tonne/year) | CO2 (tonne/year) |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|
| 3.20E-06 | 2.40E-05 | 3.74E-01 | 3.68E+01 | 2.76E+02 | 4.31E+06 | 13 | 101 | 1,573,206 |

Natural Gas Markets Prices and FSRU or Onshore LNG Terminal CAPEX is referred to David Carroll(President of the International Gas Union), 2016, "IGU World Gas LNG Report", LNG 18 Conference & Exhibition Edition, pp.52 to pp.53

CAPEX of Power types and Environmental Emissions are referred to U.S. Energy Information Administration, 2013, "Updated Capital Cost Estimates for Utility Scale Electricity Generating Plants", pp.2-10, Table 2-5 Technology Performance Specifications

Indonesia Onshore LNG Receiving & Regasification Terminal and 2 Gas Power Plant for 40MW

| Description | Values | Unit |
|--|-------------------------|---|
| Work Start Year | 2018 | Years |
| Operating Year | 2021 | Years |
| Location of Regasification | New Floating | <-New Floating, GBS, Conversion Floating, Onshore |
| Location of Power Plant | Onshore | <-Offshore, Onshore |
| Site and Contry for Project | Indonesia | |
| Sensitivity of Golobal Financial Crisis | 0 | Years- Active Crisis Year, Otherwise = 0 |
| Type of Generator | Conventional CC with | Conventional CC with Heat Recovery Steam Generat |
| Efficiency of power generator | 48% | |
| Power Plant Factor | 85% | Plant Factor 85% - 90% for net calorific of Gas ranging |
| Power Sales Cost | 0.0900 | USD/kWh =9USc/kwh |
| Total Sales Required Power | 40 | MW (=MWh/h) |
| Assumed Standard Gas Flow | 7.25 | mmscfd at 288.716°K on 1.013bar |
| Assumed Normal Gas Flow | 6.86 | mmNcfd at 273.16°K on 1.013bar |
| Assumed Operating conditions | 0.07 | mmcfd at 288.16°K on 100bar |
| Required MW Electric Power for Regas Operating System | 0.2176 | MW - for operation of system 0.03MW/mmscfd |
| Theoretical Power Capacty | 40 | MW (=MWh/h)-Set of 2 Turbine and 1 steam generat |
| Required LNG | 0.051 | Mtpa |
| Rate of kwh per 1mmbtu | 122.57 | kwh/mmbtu |
| Storage Tank Capacity | 4,343 | m ³ -14 days return Loading Time |
| Charter of LNGC Class | 38,000 | m ³ -1 Sets Charter |
| Assumed LNG Density | 470 | kg/m ³ |
| Claculated British thermal unit | 2,882,446 | mmbtu/year |
| Storage/mmcmm | 58 | Storage(m ³)/(mmscfd*0.3048**365) |
| Initial Inflation of Fuel Natural Gas Price | 9.66 | % |
| Fuel Natural Gas Unit Price | 4.199978 | USD/mmbtu in 2021Years |
| LNGC Charter Vessel Type | DE | "Steam vessels(=SV)" or "Diesel electric(DE)" |
| Vessel Spped | 19.5 | knots |
| Transportation Distance | 50 | km |
| LNGC Charter Price | 1,014,269 | USD/year |
| Working hour per day | 24 | hr |
| Working day per year | 365 | day |
| Total Electricity Power Sales Cost | 31,536,000 | USD/year |
| Unit CAPEX of Regasification | 110.00 | \$/tonne and Storage/mmcmm is 144.9\$/tonne |
| Unit CAPEX of Power | 917.00 | \$/kW |
| Regasification Equipment Area | 7.16 | m ² - Floating Storage Sructure |
| Facilities Area | 71.57 | m ² - Floating Storage Sructure |
| LNG Storage Area | 9L x15.6B x8.6D x3.7Dra | - Floating Storage Tank |
| Power Plant Area | 24,280 | m ² without Transmission and Road Area |
| Unit Space Acquisition Cost | 120 | USD/m ² in Indonesia |
| CAPEX of Area Acquisition Cost | 2,913,600 | USD |
| CAPEX of Old LNGC(Purchased Price) | 0 | USD for 10Years Old (5,110,000USD New LNGC) |
| CAPEX for LNG Terminal and Gas Power Plant | 42,241,363 | USD - 사전이백이십사만일천삼백육십삼달러 |
| CAPEX for improvement of soft seabed(GBS) Depth=10.0m | 0 | USD only for GBS Type 136.83USD/m3 60% Replacement |
| CAPEX for Break Water Length is 150m | 15,000,000 | USD 100,000USD/m |
| CAPEX for Berthing Dolphine 38k DWT x 1 set | 6,705,882 | USD 176,471k DWT |
| CAPEX for Trestle and Piers of Pipe x 6.00Inch x 0m | 0 | USD 12,905USD/m |
| CAPEX for Cryogenic Pipe x 6.00Inch x 0m | 0 | USD 184USD/m |
| CAPEX for subsea Cryogenic Pipe x 6.00Inch x 0m | 0 | USD 5,051USD/m |
| CAPEX for subsea Gas Pipe x 12.00Inch x 2,000m | 5,050,533 | USD 2,525USD/m |
| CAPEX for onshore Gas Pipe x 12.00Inch x 1,000m | 122,899 | USD 123USD/m |
| CAPEX for Spur Transmission Line Length is 35km | 5,332,194 | USD -28.8kv --Single Circ 1 - Circuit |
| CAPEX for Bulk Transmission Line is 0km | 0 | USD 28.8kv --Single Circuit |
| CAPEX for Grid Connection(Point Of Interconnection) 1 Sets | 4,560,000 | USD, Gas=114\$/kw, Goal,Nuclear=227\$/kw, Solar=11 |
| Total CAPEX for Construction and Fabrication | 81,926,471 | USD - 팔천일백구십이만육천사백칠십일달러 |
| Construction and Fabrication Period | 3 | Years |
| Interest FEE during Construction and Fabrication | 8,271,907 | USD |
| TOTAL CAPEX AND INTREST FEE DURING CONSTRUCTION | 90,198,377 | USD - 구천일십구만팔천삼백칠십칠달러 |
| Fixed and Various OPEX | 2,285,755 | USD/Year |
| Total cost of purchased Natural Gas | 13,120,480 | USD/Year(including transportation) |
| Fund Intrest | 6.5 | % |
| Return rate on investment of Net Profit, r | 3 | % |

| | |
|----------|----------------|
| 15.556°C | 1.013250274bar |
| 0°C | 1.013250274bar |
| 15°C | 100bar |

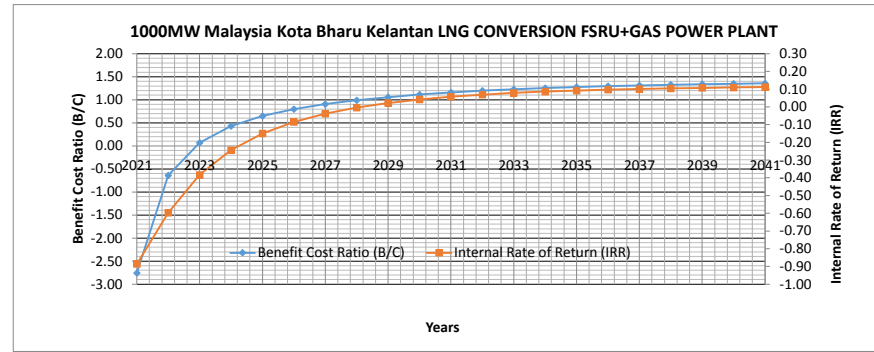
0.11

| LNG FLOATING STORAGE TANK | | | | |
|---------------------------|--------|---------|-------|-------|
| Storage | Length | Breadth | Depth | Draft |
| 4,343m ³ | 89.0m | 15.6m | 8.6m | 3.7m |
| 0m ³ | 바콜셀 | | | |

해 찾기

| LNG ONSHORE STORAGE TANK | | | | | |
|--------------------------|-------------|-----------|------------|----------|-----------------------|
| Storage | Nos of Tank | Diameters | Center Gap | Edge gap | Required Space |
| 4,343m ³ | 1 | 19.4m | 0.5D | 0.5D | 1,505.4m ² |

| | | |
|--|------------------------------|---|
| Operating Periods | 25 | Years |
| Project Design Life | 50 | Years |
| Benefit Cost Ratio (B/C) | 1.38 | ≥ 1.1 GOOD For 25Years Operating |
| IRR(Internal Rate of Return) | 11.70% | > 0 GOOD For 25Years Operating |
| NPV(Net Present Value) | 133,244,714 | USD with Asset value of Project for 25Years |
| Inflation of LNG Purchase Price | 0 | % , If Inflation= 0, the LNG Unit price shall be quoted Forecast Price, otherwise consider inflation based on 2021Years Sale Cost, If no consider Inflation, the value=10E-11 |
| 1. Electric Power Sale Cost is applicable Based on inflation of LNG Forecast Price | 0 | <-- 0 : Not Applicable, 1 : Applicable of LNG Forecast Price |
| 2. Electric Power Sale Price Inflation to be considered in yeras(Increased Previous Inflation) | from 2021Years to 2022 Years | 0 % from 1Years to 2 Years |
| | from 2023Years to 2025 Years | 0 % from 3Years to 5 Years |
| | from 2026Years to 2030 Years | 0 % from 6Years to 10 Years |
| | from 2031Years to 2035 Years | 0 % from 11Years to 15 Years |
| | from 2036Years to 2045 Years | 0 % from 16Years to 25 Years |
| Income tax rate for government | 20 | % |
| Inflation of Space Acquisition | 1 | % |
| First Project residual value | 53,075,548 | USD after 10 Years(Including Land Acquisition) |
| Second Project residual value | 42,968,047 | USD after 15 Years(Including Land Acquisition) |
| Final residual value on Design Life | 12,693,086 | USD after 50 Years(Including Land Acquisition) |
| Net Payback Turn Over Periods | 8.002 | Years |



| | | | |
|------------------------------------|-----------|-----------|------|
| Actual Payback turn Over Years | 9Years | 9Years | 해 찾기 |
| Initial Value(min 0%, max 11.111%) | 10.061% | 10.061% | 0 |
| Limit of Initial Value | ≤ 11.111% | ≤ 11.111% | |

| End of Year | ①% of Return of Equity | ②% of Return of FUND | ③Return of Equity (USD) | ④Return of FUND(USD) | ⑤Remain Cost(USD) | ⑥Fund Interest 6.5%(USD) | ⑦OPEX(USD) | ⑧Yearly Revenue(USD) W/ Inflation | ⑨Yearly Purchase Price of Natural Gas(USD) W/ Inflation | ⑩(순이익)Net Profit(USD) | ⑪(현재 자산가치)Asset value=Residual Value(USD) | ⑫(순현재가치)Net Present Value | ⑬Benefit Cost Ratio (B/C) | ⑭(내부수익률)Internal Rate of Return (IRR) |
|-------------|------------------------|----------------------|-------------------------|----------------------|-------------------|--------------------------|------------|-----------------------------------|---|-----------------------|---|---------------------------|---------------------------|---------------------------------------|
| | | | 20% of Equity | 80% of FUND | | | | | | | | | | |
| 2021 | 1 | 10.06% | 1,814,990 | 7,259,960 | 90,198,377 | 5,862,895 | 2,285,755 | 31,536,000 | 13,120,480 | 953,536 | 78,413,556 | -77,893,731 | -2.76 | -0.89 |
| 2022 | 2 | 10.32% | 1,862,345 | 7,449,379 | 81,123,427 | 5,273,023 | 2,285,755 | 31,536,000 | 13,468,178 | 957,857 | 75,031,901 | -68,276,467 | -0.64 | -0.60 |
| 2023 | 3 | 10.59% | 1,909,699 | 7,638,797 | 71,811,704 | 4,667,761 | 2,285,755 | 31,536,000 | 13,847,485 | 949,202 | 71,822,095 | -58,738,559 | 0.07 | -0.38 |
| 2024 | 4 | 10.85% | 1,957,054 | 7,828,215 | 62,263,208 | 4,047,109 | 2,285,755 | 31,536,000 | 14,290,010 | 902,286 | 68,770,612 | -49,324,801 | 0.43 | -0.24 |
| 2025 | 5 | 11.11% | 2,004,408 | 8,017,634 | 52,477,939 | 3,411,066 | 2,285,755 | 31,536,000 | 14,606,099 | 968,830 | 65,877,455 | -39,917,273 | 0.65 | -0.15 |
| 2026 | 6 | 11.37% | 2,051,763 | 8,207,052 | 42,455,897 | 2,759,633 | 2,285,755 | 31,536,000 | 15,048,624 | 946,538 | 63,063,614 | -30,613,890 | 0.80 | -0.08 |
| 2027 | 7 | 11.64% | 2,099,118 | 8,396,470 | 32,197,082 | 2,092,810 | 2,285,755 | 31,536,000 | 15,491,148 | 936,559 | 60,408,105 | -21,404,416 | 0.91 | -0.04 |
| 2028 | 8 | 11.90% | 2,146,472 | 8,585,889 | 21,701,494 | 1,410,597 | 2,285,755 | 31,536,000 | 15,933,673 | 938,891 | 57,831,918 | -12,279,478 | 0.99 | 0.00 |
| 2029 | 9 | 12.16% | 2,193,827 | 8,775,307 | 10,969,134 | 712,994 | 2,285,755 | 31,536,000 | 16,376,198 | 953,536 | 55,414,069 | -3,230,512 | 1.06 | 0.02 |
| 2030 | 10 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 16,818,723 | 945,218 | 53,075,548 | 5,750,285 | 1.11 | 0.04 |
| 2031 | 11 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 16,951,276 | 945,218 | 50,895,372 | 14,376,534 | 1.16 | 0.06 |
| 2032 | 12 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,083,829 | 945,218 | 48,794,531 | 22,661,271 | 1.20 | 0.07 |
| 2033 | 13 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,216,383 | 945,218 | 46,773,027 | 30,617,071 | 1.23 | 0.08 |
| 2034 | 14 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,348,936 | 945,218 | 44,830,865 | 38,256,068 | 1.26 | 0.09 |
| 2035 | 15 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,481,490 | 945,218 | 42,968,047 | 45,589,968 | 1.28 | 0.09 |
| 2036 | 16 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,614,043 | 945,218 | 41,263,590 | 52,632,104 | 1.30 | 0.10 |
| 2037 | 17 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,739,842 | 945,218 | 39,638,484 | 59,393,253 | 1.31 | 0.10 |
| 2038 | 18 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,869,018 | 945,218 | 38,013,720 | 65,883,807 | 1.33 | 0.10 |
| 2039 | 19 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 17,998,194 | 945,218 | 36,468,313 | 72,113,795 | 1.34 | 0.11 |
| 2040 | 20 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 18,127,370 | 945,218 | 35,002,268 | 78,092,888 | 1.35 | 0.11 |
| 2041 | 21 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 18,256,546 | 945,218 | 33,615,588 | 83,830,417 | 1.36 | 0.11 |
| 2042 | 22 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 18,385,723 | 945,218 | 32,308,276 | 89,335,381 | 1.37 | 0.11 |
| 2043 | 23 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 18,514,899 | 945,218 | 31,080,336 | 94,616,460 | 1.37 | 0.11 |
| 2044 | 24 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 18,644,075 | 945,218 | 29,852,759 | 99,682,026 | 1.38 | 0.12 |
| 2045 | 25 | 0.00% | 0 | 0 | 0 | 0 | 2,285,755 | 31,536,000 | 18,773,251 | 945,218 | 28,704,561 | 104,540,153 | 1.38 | 0.12 |
| 2046 | 26 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2047 | 27 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2048 | 28 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2049 | 29 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2050 | 30 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2051 | 31 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2052 | 32 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2053 | 33 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2054 | 34 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2055 | 35 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2056 | 36 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2057 | 37 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|------|-----------|-------|-------|------------|------------|-------------|------------|------------|-------------|-------------|-------------|------------|-------------|------|------|
| 2058 | 38 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2059 | 39 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2060 | 40 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2061 | 41 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2062 | 42 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2063 | 43 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2064 | 44 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2065 | 45 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2066 | 46 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2067 | 47 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2068 | 48 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2069 | 49 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2070 | 50 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| | Summation | 100% | 100% | 18,039,675 | 72,158,702 | 465,198,264 | 30,237,887 | 57,143,875 | 788,400,000 | 417,002,118 | 155,054,194 | 28,704,561 | 133,244,714 | 1.38 | 0.12 |

ENVIRONMENTAL EMISSIONS

TYPE OF TURBINE =

1 Conventional CC with Heat Recovery Steam Generator

| SO2 (kg/kWh) | Nox (kg/kWh) | CO2 (kg/kWh) | SO2 (kg/day) | Nox (kg/day) | CO2 (kg/day) | SO2 (tonne/year) | Nox (tonne/year) | CO2 (tonne/year) |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|
| 3.20E-06 | 2.40E-05 | 3.74E-01 | 3.07E+00 | 2.30E+01 | 3.59E+05 | 1 | 8 | 131,101 |

Natural Gas Markets Prices and FSRU or Onshore LNG Terminal CAPEX is referred to David Carroll(President of the International Gas Union), 2016, "IGU World Gas LNG Report", LNG 18 Conference & Exhibition Edition, pp.52 to pp.53

CAPEX of Power types and Environmental Emissions are referred to U.S. Energy Information Administration, 2013, "Updated Capital Cost Estimates for Utility Scale Electricity Generating Plants", pp.2-10, Table 2-5 Technology Performance Specifications

Indonesia Onshore LNG Receiving & Regasification Terminal and 2 Gas Power Plant for 50MW

| Description | Values | Unit |
|--|-------------------------|---|
| Work Start Year | 2018 | Years |
| Operating Year | 2021 | Years |
| Location of Regasification | New Floating | <-New Floating, GBS, Conversion Floating, Onshore |
| Location of Power Plant | Onshore | <-Offshore, Onshore |
| Site and Contry for Project | Indonesia | |
| Sensitivity of Golobal Financial Crisis | 0 | Years- Active Crisis Year, Otherwise = 0 |
| Type of Generator | Conventional CC with | Conventional CC with Heat Recovery Steam Generat |
| Efficiency of power generator | 48% | |
| Power Plant Factor | 85% | Plant Factor 85% - 90% for net calorific of Gas ranging |
| Power Sales Cost | 0.0900 | USD/kWh =9USc/kwh |
| Total Sales Required Power | 50 | MW (=MWh/h) |
| Assumed Standard Gas Flow | 9.06 | mmscfd at 288.716°K on 1.013bar |
| Assumed Normal Gas Flow | 8.58 | mmNcfd at 273.16°K on 1.013bar |
| Assumed Operating conditions | 0.09 | mmcfd at 288.16°K on 100bar |
| Required MW Electric Power for Regas Operating System | 0.2719 | MW - for operation of system 0.03MW/mmscfd |
| Theoretical Power Capacty | 50 | MW (=MWh/h)-Set of 2 Turbine and 1 steam generat |
| Required LNG | 0.063 | Mtpa |
| Rate of kwh per 1mmbtu | 122.57 | kwh/mmbtu |
| Storage Tank Capacity | 5,428 | m³ -14 days return Loading Time |
| Charter of LNGC Class | 38,000 | m³ -1 Sets Charter |
| Assumed LNG Density | 470 | kg/m³ |
| Claculated British thermal unit | 3,603,058 | mmbtu/year |
| Storage/mmcmm | 58 | Storage(m³)/(mmscfd*0.3048**365) |
| Initial Inflation of Fuel Natural Gas Price | 9.66 | % |
| Fuel Natural Gas Unit Price | 4.199978 | USD/mmbtu in 2021Years |
| LNGC Charter Vessel Type | DE | "Steam vessels(=SV)" or "Diesel electric(DE)" |
| Vessel Spped | 19.5 | knots |
| Transportation Distance | 50 | km |
| LNGC Charter Price | 1,014,269 | USD/year |
| Working hour per day | 24 | hr |
| Working day per year | 365 | day |
| Total Electricity Power Sales Cost | 39,420,000 | USD/year |
| Unit CAPEX of Regasification | 110.00 | \$/tonne and Storage/mmcmm is 144.8\$/tonne |
| Unit CAPEX of Power | 917.00 | \$/kW |
| Regasification Equipment Area | 8.95 | m²- Floating Storage Sructure |
| Facilities Area | 89.46 | m²- Floating Storage Sructure |
| LNG Storage Area | 5.9L x16.98 x9.3D x4Dra | - Floating Storage Tank |
| Power Plant Area | 30,350 | m² without Transmission and Road Area |
| Unit Space Acquisiton Cost | 120 | USD/m³ in Indonesia |
| CAPEX of Area Acquisition Cost | 3,642,000 | USD |
| CAPEX of Old LNGC(Purchased Price) | 0 | USD for 10Years Old (6,390,000USD New LNGC) |
| CAPEX for LNG Terminal and Gas Power Plant | 52,801,703 | USD - 오천이백팔십만일천칠백삼달러 |
| CAPEX for improvement of soft seabed(GBS) Depth=10.0m | 0 | USD only for GBS Type 136.83USD/m3 |
| CAPEX for Break Water Length is 200m | 20,000,000 | USD |
| CAPEX for Berthing Dolphine 38k DWT x 1 set | 6,705,882 | USD |
| CAPEX for Trestle and Piers of Pipe x 6.00Inch x 0m | 0 | USD |
| CAPEX for Cryogenic Pipe x 6.00Inch x 0m | 0 | USD |
| CAPEX for subsea Cryogenic Pipe x 6.00Inch x 0m | 0 | USD |
| CAPEX for subsea Gas Pipe x 12.00Inch x 2,000m | 5,050,533 | USD |
| CAPEX for onshore Gas Pipe x 12.00Inch x 1,000m | 122,899 | USD |
| CAPEX for Spur Transmission Line Length is 35km | 5,772,771 | USD -34.5kv --Single Circ 1 - Circuit |
| CAPEX for Bulk Transmission Line is 0km | 0 | USD 34.5kv --Single Circuit |
| CAPEX for Grid Connection(Point Of Interconnection) 1 Sets | 5,700,000 | USD, Gas=114\$/kw, Goal,Nuclear=227\$/kw, Solar=11 |
| Total CAPEX for Construction and Fabrication | 99,795,788 | USD - 구천구백칠십구만오천칠백삼팔달러 |
| Construction and Fabrication Period | 3 | Years |
| Interest FEE during Construction and Fabrication | 10,085,184 | USD |
| TOTAL CAPEX AND INTREST FEE DURING CONSTRUCTION | 109,880,972 | USD - 일억구백팔십팔만구백칠십이달러 |
| Fixed and Various OPEX | 2,857,194 | USD/Year |
| Total cost of purchased Natural Gas | 16,147,033 | USD/Year(including transportation) |
| Fund Intrest | 6.5 | % |
| Return rate on investment of Net Profit, r | 3 | % |

| | |
|----------|----------------|
| 15.556°C | 1.013250274bar |
| 0°C | 1.013250274bar |
| 15°C | 100bar |

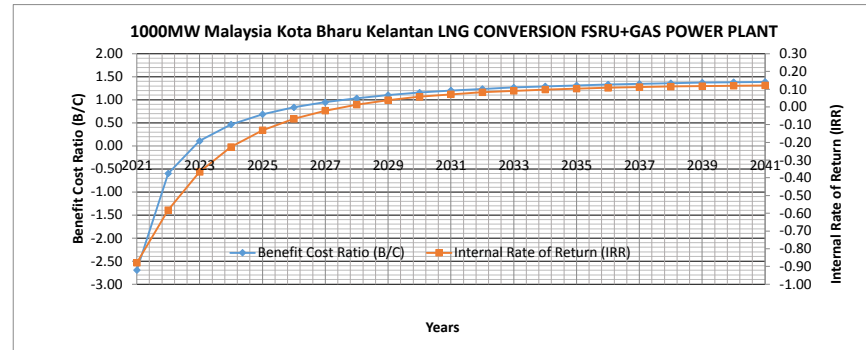
0.14

| LNG FLOATING STORAGE TANK | | | | |
|---------------------------|--------|---------|-------|-------|
| Storage | Length | Breadth | Depth | Draft |
| 5,428m³ | 95.9m | 16.9m | 9.3m | 4.0m |
| 0m³ | 바콜셀 | | | |

해 찾기

| LNG ONSHORE STORAGE TANK | | | | | |
|--------------------------|-------------|-----------|------------|----------|----------------|
| Storage | Nos of Tank | Diameters | Center Gap | Edge gap | Required Space |
| 5,428m³ | 1 | 20.9m | 0.5D | 0.5D | 1,747.2m² |

| | | |
|--|--------------|---|
| Operating Periods | 25 | Years |
| Project Design Life | 50 | Years |
| Benefit Cost Ratio (B/C) | 1.41 | ≥ 1.1 GOOD For 25Years Operating |
| IRR(Internal Rate of Return) | 12.63% | > 0 GOOD For 25Years Operating |
| NPV(Net Present Value) | 176,554,444 | USD with Asset value of Project for 25Years |
| Inflation of LNG Purchase Price | 0 | % , If Inflation= 0, the LNG Unit price shall be quoted Forecast Price, otherwise consider inflation based on 2021Years Sale Cost, If no consider Inflation, the value=10E-11 |
| 1. Electric Power Sale Cost is applicable Based on inflation of LNG Forecast Price | 0 | <-- 0 : Not Applicable, 1 : Applicable of LNG Forecast Price |
| 2. Electric Power Sale Price Inflation to be considered in yeras(Increased Previous Inflation) | 0 | % |
| Income tax rate for government | 20 | % |
| Inflation of Space Acquisition | 1 | % |
| First Project residual value | 64,696,074 | USD after 10 Years(Including Land Acquisition) |
| Second Project residual value | 52,401,297 | USD after 15 Years(Including Land Acquisition) |
| Final residual value on Design Life | 15,605,128 | USD after 50 Years(Including Land Acquisition) |
| Net Payback Turn Over Periods | 7.012 | Years |



| | | | |
|----------------------------------|---------|---------|------|
| Actual Payback turn Over Years | 8Years | 8Years | 해 찾기 |
| Initial Value(min 0%, max 12.5%) | 11.296% | 11.296% | 0 |
| Limit of Initial Value | ≤ 12.5% | ≤ 12.5% | |

| End of Year | ①% of Return of Equity | ②% of Return of FUND | ③Return of Equity (USD) | ④Return of FUND(USD) | ⑤Remain Cost(USD) | ⑥Fund Interest 6.5%(USD) | ⑦OPEX(USD) | ⑧Yearly Revenue(USD) W/ Inflation | ⑨Yearly Purchase Price of Natural Gas(USD) W/ Inflation | ⑩(순이익)Net Profit(USD) | ⑪(현재 자산가치)Asset value=Residual Value(USD) | ⑫(순현재가치)Net Present Value | ⑬Benefit Cost Ratio (B/C) | ⑭(내부수익률)Internal Rate of Return (IRR) |
|-------------|------------------------|----------------------|-------------------------|----------------------|-------------------|--------------------------|------------|-----------------------------------|---|-----------------------|---|---------------------------|---------------------------|---------------------------------------|
| | | | 20% of Equity | 80% of FUND | | | | | | | | | | |
| 2021 | 1 | 11.30% | 2,482,328 | 9,929,312 | 109,880,972 | 7,142,263 | 2,857,194 | 39,420,000 | 16,147,033 | 689,496 | 95,521,751 | -94,168,999 | -2.69 | -0.88 |
| 2022 | 2 | 11.64% | 2,557,956 | 10,231,822 | 97,469,332 | 6,335,507 | 2,857,194 | 39,420,000 | 16,581,656 | 684,693 | 91,407,459 | -81,681,302 | -0.60 | -0.58 |
| 2023 | 3 | 11.98% | 2,633,583 | 10,534,332 | 84,679,555 | 5,504,171 | 2,857,194 | 39,420,000 | 17,055,789 | 667,945 | 87,502,305 | -69,239,955 | 0.11 | -0.37 |
| 2024 | 4 | 12.33% | 2,709,211 | 10,836,842 | 71,511,639 | 4,648,257 | 2,857,194 | 39,420,000 | 17,608,945 | 607,641 | 83,789,831 | -56,899,815 | 0.47 | -0.23 |
| 2025 | 5 | 12.67% | 2,784,838 | 11,139,352 | 57,965,587 | 3,767,763 | 2,857,194 | 39,420,000 | 18,004,057 | 693,437 | 80,270,040 | -44,512,596 | 0.69 | -0.13 |
| 2026 | 6 | 13.02% | 2,860,466 | 11,441,862 | 44,041,396 | 2,862,691 | 2,857,194 | 39,420,000 | 18,557,212 | 672,460 | 76,846,781 | -32,200,030 | 0.84 | -0.07 |
| 2027 | 7 | 13.36% | 2,936,093 | 11,744,372 | 29,739,069 | 1,933,039 | 2,857,194 | 39,420,000 | 19,110,368 | 671,146 | 73,616,213 | -19,948,874 | 0.95 | -0.02 |
| 2028 | 8 | 13.70% | 3,011,721 | 12,046,882 | 15,058,603 | 978,809 | 2,857,194 | 39,420,000 | 19,663,524 | 689,496 | 70,482,185 | -7,747,157 | 1.03 | 0.01 |
| 2029 | 9 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 20,216,680 | 13,076,901 | 67,540,855 | 4,415,896 | 1.10 | 0.04 |
| 2030 | 10 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 20,769,836 | 12,634,376 | 64,696,074 | 15,825,074 | 1.16 | 0.06 |
| 2031 | 11 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 20,935,528 | 12,501,823 | 62,043,998 | 26,785,733 | 1.20 | 0.07 |
| 2032 | 12 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 21,101,220 | 12,369,269 | 59,488,478 | 37,314,321 | 1.24 | 0.08 |
| 2033 | 13 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 21,266,911 | 12,236,716 | 57,029,519 | 47,426,709 | 1.27 | 0.09 |
| 2034 | 14 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 21,432,603 | 12,104,162 | 54,667,124 | 57,138,211 | 1.29 | 0.10 |
| 2035 | 15 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 21,598,295 | 11,971,609 | 52,401,297 | 66,463,599 | 1.32 | 0.10 |
| 2036 | 16 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 21,759,765 | 11,842,433 | 50,328,196 | 75,419,683 | 1.33 | 0.11 |
| 2037 | 17 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 21,921,235 | 11,713,257 | 48,351,672 | 84,020,063 | 1.35 | 0.11 |
| 2038 | 18 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 22,082,705 | 11,584,081 | 46,375,574 | 92,277,862 | 1.36 | 0.11 |
| 2039 | 19 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 22,244,176 | 11,454,905 | 44,496,062 | 100,205,740 | 1.37 | 0.12 |
| 2040 | 20 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 22,405,646 | 11,325,728 | 42,713,140 | 107,815,912 | 1.38 | 0.12 |
| 2041 | 21 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 22,567,116 | 11,196,552 | 41,026,811 | 115,120,158 | 1.39 | 0.12 |
| 2042 | 22 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 22,728,586 | 11,067,376 | 39,437,080 | 122,129,843 | 1.40 | 0.12 |
| 2043 | 23 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 22,890,056 | 10,938,200 | 37,943,952 | 128,855,930 | 1.40 | 0.12 |
| 2044 | 24 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 23,051,526 | 10,809,024 | 36,451,277 | 135,308,993 | 1.41 | 0.13 |
| 2045 | 25 | 0.00% | 0 | 0 | 0 | 0 | 2,857,194 | 39,420,000 | 23,212,996 | 10,679,848 | 35,055,214 | 141,499,229 | 1.41 | 0.13 |
| 2046 | 26 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2047 | 27 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2048 | 28 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2049 | 29 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2050 | 30 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2051 | 31 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2052 | 32 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2053 | 33 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2054 | 34 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2055 | 35 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2056 | 36 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2057 | 37 | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|------|-----------|-------|-------|------------|------------|-------------|------------|------------|-------------|-------------|-------------|------------|-------------|------|------|
| 2058 | 38 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2059 | 39 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2060 | 40 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2061 | 41 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2062 | 42 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2063 | 43 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2064 | 44 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2065 | 45 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2066 | 46 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2067 | 47 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2068 | 48 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2069 | 49 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2070 | 50 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| | Summation | 100% | 100% | 21,976,194 | 87,904,778 | 510,346,153 | 33,172,500 | 71,429,844 | 985,500,000 | 514,913,465 | 204,882,576 | 35,055,214 | 176,554,444 | 1.41 | 0.13 |

ENVIRONMENTAL EMISSIONS

TYPE OF TURBINE =

1 Conventional CC with Heat Recovery Steam Generator

| SO2 (kg/kWh) | Nox (kg/kWh) | CO2 (kg/kWh) | SO2 (kg/day) | Nox (kg/day) | CO2 (kg/day) | SO2 (tonne/year) | Nox (tonne/year) | CO2 (tonne/year) |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|
| 3.20E-06 | 2.40E-05 | 3.74E-01 | 3.84E+00 | 2.88E+01 | 4.49E+05 | 1 | 11 | 163,876 |

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| Location of Power Plant | Onshore | <-Offshore, Onshore |
| Site and Contry for Project | Indonesia | |
| Sensitivity of Golobal Financial Crisis | 0 | Years- Active Crisis Year, Otherwise = 0 |
| Type of Generator | Conventional CC with | Conventional CC with Heat Recovery Steam Generat |
| Efficiency of power generator | 48% | |
| Power Plant Factor | 85% | Plant Factor 85% - 90% for net calorific of Gas ranging |
| Power Sales Cost | 0.0900 | USD/kWh =9USc/kwh |
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| Assumed Normal Gas Flow | 17.15 | mmNcfd at 273.16°K on 1.013bar |
| Assumed Operating conditions | 0.18 | mmcfd at 288.16°K on 100bar |
| Required MW Electric Power for Regas Operating System | 0.5439 | MW - for operation of system 0.03MW/mmscfd |
| Theoretical Power Capacty | 100 | MW (=MWh/h)-Set of 2 Turbine and 1 steam generat |
| Required LNG | 0.126 | Mtpa |
| Rate of kwh per 1mmbtu | 121.34 | kwh/mmbtu |
| Storage Tank Capacity | 10,857 | m³ -14 days return Loading Time |
| Charter of LNGC Class | 38,000 | m³ -1 Sets Charter |
| Assumed LNG Density | 470 | kg/m³ |
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| Storage/mmcmm | 58 | Storage(m³)/(mmscfd*0.3048*365) |
| Initial Inflation of Fuel Natural Gas Price | 9.66 | % |
| Fuel Natural Gas Unit Price | 4.199978 | USD/mmbtu in 2021Years |
| LNGC Charter Vessel Type | DE | "Steam vessels(=SV)" or "Diesel electric(DE)" |
| Vessel Spped | 19.5 | knots |
| Transportation Distance | 50 | km |
| LNGC Charter Price | 1,014,269 | USD/year |
| Working hour per day | 24 | hr |
| Working day per year | 365 | day |
| Total Electricity Power Sales Cost | 78,840,000 | USD/year |
| Unit CAPEX of Regasification | 110.00 | \$/tonne and Storage/mmcmm is 144.9\$/tonne |
| Unit CAPEX of Power | 917.00 | \$/kW |
| Regasification Equipment Area | 17.89 | m²- Floating Storage Sructure |
| Facilities Area | 178.91 | m²- Floating Storage Sructure |
| LNG Storage Area | 0.8L x21.2B x11.7D x5Dr | - Floating Storage Tank |
| Power Plant Area | 60,700 | m² without Transmission and Road Area |
| Unit Space Acquisition Cost | 120 | USD/m³ in Indonesia |
| CAPEX of Area Acquisition Cost | 7,284,000 | USD |
| CAPEX of Old LNGC(Purchased Price) | 0 | USD for 10Years Old (12,770,000USD New LNGC) |
| CAPEX for LNG Terminal and Gas Power Plant | 105,603,406 | USD - 일억오백육십삼천사백육달러 |
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| CAPEX for Break Water Length is 400m | 40,000,000 | USD |
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| CAPEX for Trestle and Piers of Pipe x 6.00Inch x 0m | 0 | USD |
| CAPEX for Cryogenic Pipe x 6.00Inch x 0m | 0 | USD |
| CAPEX for subsea Cryogenic Pipe x 6.00Inch x 0m | 0 | USD |
| CAPEX for subsea Gas Pipe x 12.00Inch x 2,000m | 5,050,533 | USD |
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| CAPEX for Spur Transmission Line Length is 35km | 7,998,837 | USD -63.3kv --Single Circ 1 - Circuit |
| CAPEX for Bulk Transmission Line is 0km | 0 | USD 63.3kv --Single Circuit |
| CAPEX for Grid Connection(Point Of Interconnection) 1 Sets | 11,400,000 | USD, Gas=114\$/kw, Goal,Nuclear=227\$/kw, Solar=11 |
| Total CAPEX for Construction and Fabrication | 184,165,557 | USD - 일억팔천사백일십육만오천오백오십칠달러 |
| Construction and Fabrication Period | 3 | Years |
| Interest FEE during Construction and Fabrication | 18,666,332 | USD |
| TOTAL CAPEX AND INTREST FEE DURING CONSTRUCTION | 202,831,889 | USD - 이억이백팔십삼만일천팔백팔십구달러 |
| Fixed and Various OPEX | 5,714,387 | USD/Year |
| Total cost of purchased Natural Gas | 31,279,797 | USD/Year(including transportation) |
| Fund Intrest | 6.5 | % |
| Return rate on investment of Net Profit, r | 3 | % |

| | |
|----------|----------------|
| 15.556°C | 1.013250274bar |
| 0°C | 1.013250274bar |
| 15°C | 100bar |

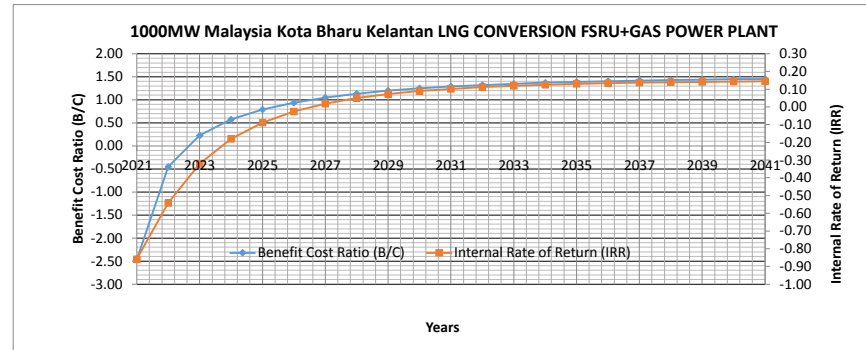
0.29

| LNG FLOATING STORAGE TANK | | | | |
|---------------------------|--------|---------|-------|-------|
| Storage | Length | Breadth | Depth | Draft |
| 10,857m³ | 120.8m | 21.2m | 11.7m | 5.0m |
| 0m³ | 바콜셀 | | | |

해 찾기

| LNG ONSHORE STORAGE TANK | | | | | |
|--------------------------|-------------|-----------|------------|----------|----------------|
| Storage | Nos of Tank | Diameters | Center Gap | Edge gap | Required Space |
| 10,857m³ | 1 | 26.3m | 0.5D | 0.5D | 2,766.8m² |

| | | |
|--|-------------|---|
| Operating Periods | 25 | Years |
| Project Design Life | 50 | Years |
| Benefit Cost Ratio (B/C) | 1.47 | ≥ 1.1 GOOD For 25Years Operating |
| IRR(Internal Rate of Return) | 14.88% | > 0 GOOD For 25Years Operating |
| NPV(Net Present Value) | 391,937,597 | USD with Asset value of Project for 25Years |
| Inflation of LNG Purchase Price | 0 | % , If Inflation= 0, the LNG Unit price shall be quoted Forecast Price, otherwise consider inflation based on 2021Years Sale Cost, If no consider Inflation, the value=10E-11 |
| 1. Electric Power Sale Cost is applicable Based on inflation of LNG Forecast Price | 0 | <-- 0 : Not Applicable, 1 : Applicable of LNG Forecast Price |
| 2. Electric Power Sale Price Inflation to be considered in yeras(Increased Previous Inflation) | 0 | % from 1Years to 2 Years |
| | 0 | % from 3Years to 5 Years |
| | 0 | % from 6Years to 10 Years |
| | 0 | % from 11Years to 15 Years |
| | 0 | % from 16Years to 25 Years |
| Income tax rate for government | 20 | % |
| Inflation of Space Acquisition | 1 | % |
| First Project residual value | 119,658,330 | USD after 10 Years(Including Land Acquisition) |
| Second Project residual value | 97,074,158 | USD after 15 Years(Including Land Acquisition) |
| Final residual value on Design Life | 29,667,654 | USD after 50 Years(Including Land Acquisition) |
| Net Payback Turn Over Periods | 6.015 | Years |



| | | | |
|------------------------------------|-----------|-----------|------|
| Actual Payback turn Over Years | 7Years | 7Years | 해 찾기 |
| Initial Value(min 0%, max 14.286%) | 13.003% | 13.003% | 0 |
| Limit of Initial Value | ≤ 14.286% | ≤ 14.286% | |

| End of Year | ①% of Return of Equity | ②% of Return of FUND | ③Return of Equity (USD) | ④Return of FUND(USD) | ⑤Remain Cost(USD) | ⑥Fund Interest 6.5%(USD) | ⑦OPEX(USD) | ⑧Yearly Revenue(USD) W/ Inflation | ⑨Yearly Purchase Price of Natural Gas(USD) W/ Inflation | ⑩(순이익)Net Profit(USD) | ⑪(현재 자산가치)Asset value=Residual Value(USD) | ⑫(순현재가치)Net Present Value | ⑬Benefit Cost Ratio (B/C) | ⑭(내부수익률)Internal Rate of Return (IRR) |
|-------------|------------------------|----------------------|-------------------------|----------------------|-------------------|--------------------------|------------|-----------------------------------|---|-----------------------|---|---------------------------|---------------------------|---------------------------------------|
| | | | 20% of Equity | 80% of FUND | | | | | | | | | | |
| 2021 | 13.00% | 13.00% | 5,274,716 | 21,098,864 | 202,831,889 | 13,184,073 | 5,714,387 | 78,840,000 | 31,279,797 | 1,830,530 | 176,309,013 | -169,907,723 | -2.47 | -0.86 |
| 2022 | 13.43% | 13.43% | 5,448,210 | 21,792,839 | 176,458,309 | 11,469,790 | 5,714,387 | 78,840,000 | 32,149,042 | 1,812,586 | 168,746,389 | -142,904,839 | -0.45 | -0.54 |
| 2023 | 13.86% | 13.86% | 5,621,703 | 22,486,813 | 149,217,261 | 9,699,122 | 5,714,387 | 78,840,000 | 33,097,309 | 1,776,532 | 161,568,549 | -115,957,755 | 0.23 | -0.32 |
| 2024 | 14.29% | 14.29% | 5,795,197 | 23,180,787 | 121,108,744 | 7,872,068 | 5,714,387 | 78,840,000 | 34,203,621 | 1,659,151 | 154,745,215 | -89,173,818 | 0.57 | -0.18 |
| 2025 | 14.71% | 14.71% | 5,968,690 | 23,874,762 | 92,132,760 | 5,988,629 | 5,714,387 | 78,840,000 | 34,993,844 | 1,839,750 | 148,276,395 | -62,254,445 | 0.79 | -0.09 |
| 2026 | 15.14% | 15.14% | 6,142,184 | 24,568,736 | 62,289,308 | 4,048,805 | 5,714,387 | 78,840,000 | 36,100,155 | 1,812,586 | 141,985,215 | -35,441,409 | 0.94 | -0.03 |
| 2027 | 15.57% | 15.57% | 6,315,678 | 25,262,710 | 31,578,388 | 2,052,595 | 5,714,387 | 78,840,000 | 37,206,467 | 1,830,530 | 136,048,563 | -8,706,842 | 1.05 | 0.02 |
| 2028 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 38,312,779 | 27,850,267 | 130,289,566 | 17,974,296 | 1.13 | 0.05 |
| 2029 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 39,419,091 | 26,965,217 | 124,885,113 | 43,055,114 | 1.20 | 0.07 |
| 2030 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 40,525,402 | 26,080,168 | 119,658,330 | 66,606,200 | 1.25 | 0.09 |
| 2031 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 40,856,786 | 25,815,061 | 114,786,107 | 89,238,905 | 1.29 | 0.10 |
| 2032 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 41,188,170 | 25,549,954 | 110,091,571 | 110,986,750 | 1.32 | 0.11 |
| 2033 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 41,519,553 | 25,284,847 | 105,574,728 | 131,882,078 | 1.35 | 0.12 |
| 2034 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 41,850,937 | 25,019,740 | 101,235,588 | 151,956,102 | 1.37 | 0.13 |
| 2035 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 42,182,321 | 24,754,633 | 97,074,158 | 171,238,939 | 1.39 | 0.13 |
| 2036 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 42,505,261 | 24,496,281 | 93,267,329 | 189,764,755 | 1.41 | 0.13 |
| 2037 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 42,828,201 | 24,237,929 | 89,638,227 | 207,561,291 | 1.42 | 0.14 |
| 2038 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 43,151,142 | 23,979,577 | 86,009,979 | 224,655,313 | 1.43 | 0.14 |
| 2039 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 43,474,082 | 23,721,225 | 82,559,475 | 241,072,646 | 1.44 | 0.14 |
| 2040 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 43,797,022 | 23,462,872 | 79,286,724 | 256,838,209 | 1.45 | 0.14 |
| 2041 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 44,119,962 | 23,204,520 | 76,191,735 | 271,976,040 | 1.45 | 0.15 |
| 2042 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 44,442,902 | 22,946,168 | 73,274,516 | 286,509,333 | 1.46 | 0.15 |
| 2043 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 44,765,843 | 22,687,816 | 70,535,076 | 300,460,460 | 1.46 | 0.15 |
| 2044 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 45,088,783 | 22,429,464 | 67,796,543 | 313,851,006 | 1.47 | 0.15 |
| 2045 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 5,714,387 | 78,840,000 | 45,411,723 | 22,171,111 | 65,235,807 | 326,701,791 | 1.47 | 0.15 |
| 2046 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2047 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2048 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2049 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2050 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2051 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2052 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2053 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2054 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2055 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2056 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2057 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|------|-----------|-------|-------|------------|-------------|-------------|------------|-------------|---------------|---------------|-------------|------------|-------------|------|------|
| 2058 | 38 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2059 | 39 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2060 | 40 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2061 | 41 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2062 | 42 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2063 | 43 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2064 | 44 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2065 | 45 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2066 | 46 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2067 | 47 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2068 | 48 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2069 | 49 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 2070 | 50 | 0.00% | 0.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| | Summation | 100% | 100% | 40,566,378 | 162,265,511 | 835,616,659 | 54,315,083 | 142,859,687 | 1,971,000,000 | 1,004,470,196 | 453,218,515 | 65,235,807 | 391,937,597 | 1.47 | 0.15 |

ENVIRONMENTAL EMISSIONS

TYPE OF TURBINE =

1 Conventional CC with Heat Recovery Steam Generator

| SO2 (kg/kWh) | Nox (kg/kWh) | CO2 (kg/kWh) | SO2 (kg/day) | Nox (kg/day) | CO2 (kg/day) | SO2 (tonne/year) | Nox (tonne/year) | CO2 (tonne/year) |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|
| 3.20E-06 | 2.40E-05 | 3.74E-01 | 7.67E+00 | 5.76E+01 | 8.98E+05 | 3 | 21 | 327,751 |

Natural Gas Markets Prices and FSRU or Onshore LNG Terminal CAPEX is referred to David Carroll(President of the International Gas Union), 2016, "IGU World Gas LNG Report", LNG 18 Conference & Exhibition Edition, pp.52 to pp.53

CAPEX of Power types and Environmental Emissions are referred to U.S. Energy Information Administration, 2013, "Updated Capital Cost Estimates for Utility Scale Electricity Generating Plants", pp.2-10, Table 2-5 Technology Performance Specifications