ABSTRACT

Geothermal Potential overall spread in the Province of Nanggroe Aceh Darussalam around 1310 MWe. From this potential one located at Mount Seulawah Agam district of Aceh Besar. The resources hypothesis about 185 MWe. Because of that, in these locations will be built Seulawah Agam Geothermal 1x55MW. Therefore, this final development plan aims to make geothermal power plant. It is expected that construction of Seulawah Agam Geothermal 1x55MW able to bear the burden of primary and scattered diesel substitute in the west coast of Nanggroe Aceh Darussalam. It also affects the basic tariff of electricity. Projected population growth in Nanggroe Aceh Darussalam is expected to grow - average of 1.02% per year. For BPP Prices start before the construction of PLTP Seulawah Agam Rp 3.501/kwh, after the construction of PLTP to Rp. 2.910/kwh down 16.68%.

Key word : Geothermal Potential, the basic tariff of electricity, Seulawah Agam Geothermal 1x55MW.