

TRANSMISSION LINE 138 kV PUERTO MALDONADO - IBERIA & SUBSTATION VALLE DEL CHIRA 220/60/22.9 kV



PERÚ

Ministerio
de Economía y Finanzas



ProInversión

Private Investment Promotion Agency - Peru

EL PERÚ PRIMERO

PROINVERSION is structuring a self-financed state initiative under the modality of public-private partnership (PPP) for the design, financing, construction, operation and maintenance of the projects “Transmission Line 138 kV Puerto Maldonado – Iberia” and “Substation Valle del Chira 220/60/22.9 kV”

These projects aim to achieve the following objectives:

Transmission Line 138 kV Puerto Maldonado – Iberia

- Meet the growing demand for electricity in the Iberia Rural Electric System - Iñapari with the adequate quality and reliability standards.
- Provide electricity supply to the city of Iberia, both to the populations and industrial clients, with energy from the SEIN (national grid)

Substation Valle del Chira 220/60/22.9 kV

- Strengthen the operation of the electrical system in the northern zone of Peru, regarding relevant technical aspects to provide power supply with adequate quality and reliability standards
- Contribute to the solution of technical problems present in the system such as congestion on transmission lines and voltage drop in substation busbars

PROJECT

TRANSMISSION LINE 138 KV PUERTO MALDONADO - IBERIA



PUBLIC-PRIVATE PARTNERSHIP

TRANSMISSION LINE 138 KV PUERTO MALDONADO - IBERIA


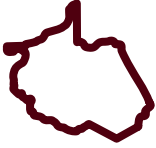


It is a project of the electricity subsector that will allow to attend to the electricity supply service of the area and meet the growing demand for electricity, especially for the development of investment projects.


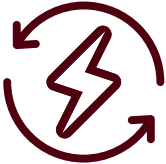




The project is located in Puerto Maldonado and Iberia, in the provinces of Tambopata and Tahuamanu, respectively

IT COMPRISES:

- 138 kV Transmission Line, simple circuit, line length of 160 km aprox.;
- Substation Iberia, 138/22.9 kV. 25 mVA; and
- Upgrade of Substation Puerto Maldonado.

ELEMENT	DESCRIPTION
 <p data-bbox="267 517 363 553">SCOPE</p>	<p data-bbox="507 358 1074 616">The project consists of the design, financing, construction, operation and maintenance of the 138 kV Puerto Maldonado - Iberia transmission line in order to attend to the electricity supply service of those cities, neighbouring cities and investment projects in the area.</p>
 <p data-bbox="238 993 394 1061">AREA OF INFLUENCE</p>	<p data-bbox="507 857 1087 925">The Project is located in the department of Madre de Dios.</p> <p data-bbox="507 948 1056 1061">The cities of Puerto Maldonado and Iberia in the provinces of Tambopata and Tahuamanu, respectively.</p>
 <p data-bbox="193 1469 437 1505">GRANTOR ENTITY</p>	<p data-bbox="507 1401 1027 1437">Ministry of Energy and Mines (MINEM).</p>
 <p data-bbox="206 1957 425 1993">PPP ELIGIBILITY</p>	<p data-bbox="507 1769 1099 1986">According to the evaluation made through the Eligibility Criteria of the Ministry of Economy and Finances (value for money), it was verified that the Project meets the necessary conditions to be developed under the PPP mode.</p>

ELEMENT	DESCRIPTION
 <p data-bbox="220 623 413 655">COMPONENTS</p>	<p data-bbox="510 356 1096 426">The Project is divided into three infrastructure components:</p> <ol data-bbox="510 449 1096 734" style="list-style-type: none"> <li data-bbox="510 449 1096 555">1. Component 1: Transmission Line Puerto Maldonado - Iberia of 160 km of approximate length <li data-bbox="510 573 1096 644">2. Component 2: Substation Iberia 138/22.9 kV 25 MVA <li data-bbox="510 662 1096 734">3. Component 3: Upgrade of Substation Puerto Maldonado
 <p data-bbox="190 1558 441 1589">CHARACTERISTICS</p>	<ol data-bbox="510 966 1096 1945" style="list-style-type: none"> <li data-bbox="510 966 1096 1163">1. Transmission Line Puerto Maldonado - Iberia: <ul data-bbox="557 1045 995 1163" style="list-style-type: none"> <li data-bbox="557 1045 995 1081">• Approximate Length: 160 km <li data-bbox="557 1086 879 1122">• Number of circuits: 1 <li data-bbox="557 1127 819 1163">• Tension: 138 kV <li data-bbox="510 1215 1096 1530">2. Substation Iberia 138/22.9 kV: <ul data-bbox="557 1258 1096 1530" style="list-style-type: none"> <li data-bbox="557 1258 909 1295">• Busbar: 138 kV, simple <li data-bbox="557 1299 886 1335">• Incoming line: 138kV <li data-bbox="557 1340 1054 1410">• Connection to power transformer: 138 V <li data-bbox="557 1415 1096 1530">• Power transformer: 138/22.9 kV, 20 MVA ONAN, 25 MVA ONAF load tap changer <li data-bbox="510 1583 1096 1945">3. Upgrade of Substation Puerto Maldonado: <ul data-bbox="557 1662 1076 1945" style="list-style-type: none"> <li data-bbox="557 1662 1008 1732">• Extension of busbar system to 138 kV line <li data-bbox="557 1737 866 1773">• Output line: 138 kV <li data-bbox="557 1778 1076 1848">• Connection to existing transformer: 138 kV <li data-bbox="557 1852 1012 1945">• Connection to capacitor banks: 22.9 kV

ELEMENT	DESCRIPTION
 <p data-bbox="212 614 418 682">CAPITAL CONTRIBUTION</p>	<p data-bbox="508 417 1098 675">The subscribed and paid-in capital of the company should be of at least five million American dollars (US \$ 5 000 000.00) or its equivalent in soles. The Qualified Operator must be holder of at least the Minimum Participation (25% of the capital subscribed and paid-in).</p>
 <p data-bbox="225 1134 405 1163">INVESTMENT</p>	<p data-bbox="508 975 1023 1129">The total investment amount of the Project, without VAT, is estimated at 33 million American dollars (US\$ 33 000 000.00)</p>

PROJECT

┌ SUBSTATION

VALLE

DEL CHIRA

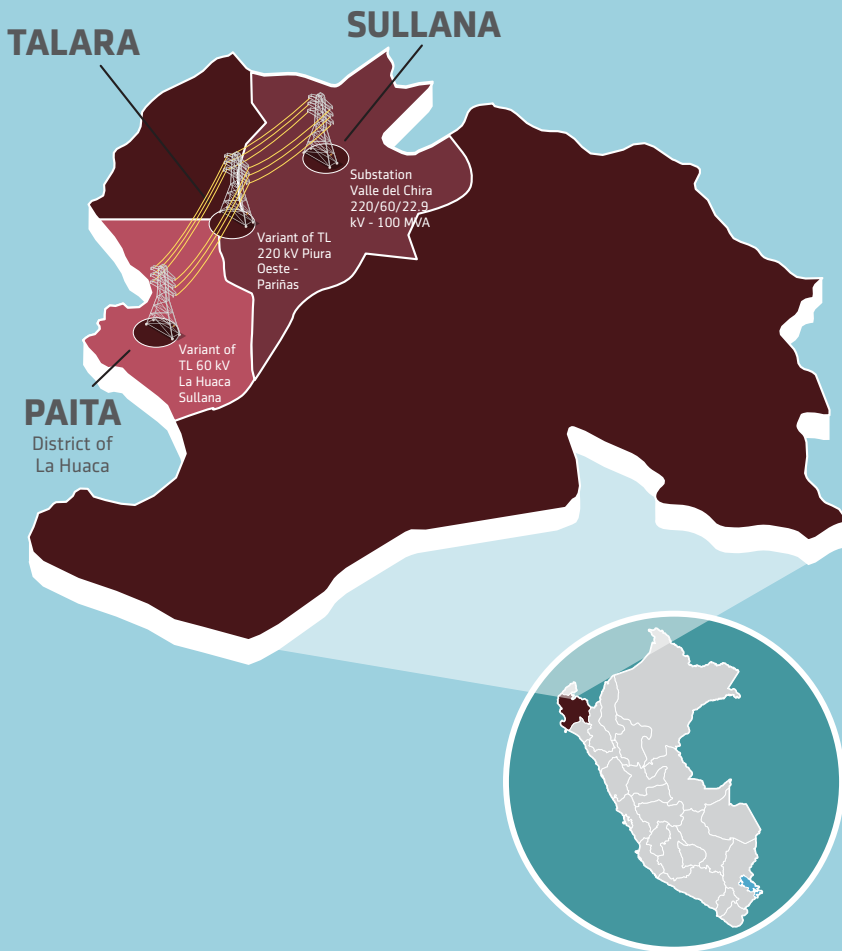
220/60/22.9 KV



PUBLIC -PRIVATE PARTNERSHIP

SUBSTATION VALLE DEL CHIRA 220/60/22.9 KV





It is a project from the electricity sub sector that will contribute to solve technical issues arising in the power grid of the north of Peru. It will also provide power supply with adequate quality and reliability standards.

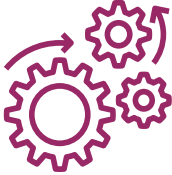


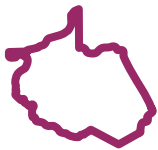





The Project is located in the district of Miguel Checa, province of Sullana and will also strengthen the operation of the electric system of northern Peru

IT COMPRISES:

- Substation Valle del Chira 220/60/22.9 kV - 100 MVA;
- Variant of 220 kV TL Piura Oeste – Pariñas; and
- Variant of 60 kV TL La Huaca – Sullana.

ELEMENT	DESCRIPTION
 <p data-bbox="267 517 363 551">SCOPE</p>	<p data-bbox="508 376 1108 596">The Project consists of the design, co-financing, construction, operation and maintenance of a substation called Valle del Chira of 220/60/22.9 kV in northern Peru in order to provide power supply reliable and of quality.</p>
 <p data-bbox="238 984 394 1050">AREA OF INFLUENCE</p>	<p data-bbox="508 855 1105 1038">The Project is located in the department of Piura, specifically in the district of Miguel Checa in Sullana. It wil strengthen the operation of the electric system in the north of the country.</p>
 <p data-bbox="194 1462 437 1494">GRANTOR ENTITY</p>	<p data-bbox="508 1388 1027 1424">Ministry of Energy and Mines (MINEM).</p>
 <p data-bbox="203 1945 428 1977">PPP ELEGIBILITY</p>	<p data-bbox="508 1757 1099 1977">According to the evaluation made through the Eligibility Criteria of the Ministry of Economy and Finances (value for money), it was verified that the Project meets the necessary conditions to be developed under the PPP mode.</p>

ELEMENT	DESCRIPTION
 <p>COMPONENTS</p>	<p>The project is divided in three infrastructure components:</p> <ol style="list-style-type: none"> Component 1: Valle del Chira Substation 220/60/22.9 kV 100 MVA Component 2: Variant of 220 kV TL Piura Oeste - Pariñas Component 3: Variant fo 60 kV TL La Huaca - Sullana
 <p>CONCESSION TERM</p>	<p>Concession term goes up to 30 years from the Commercial Operation Date (28 months from the Closing Date)</p>
 <p>PAYMENT MECHANISM</p>	<p>As a self-financed project it will not require any payment commitment using public resources nor any disbursement by any public entitiy, or state-owned enterprise, since it will be financed by the transmission toll*.</p> <p>*According to Article 31, paragraph 31.3, numeral 3 of the Regulations for the Legislative Decree N° 1362, tolls do not qualify as co-financing</p>
 <p>LAND</p>	<p>It is the concessionaire's responsibility to manage and negotiate for the constitution of rights of way necessary for the project development. However, the MINEM, if necessary, may support the concessionaire in the procedures for obtaining the right of way.</p>

ELEMENT	DESCRIPTION
 <p data-bbox="226 523 407 591">BENEFITED POPULATION</p>	<p data-bbox="510 471 726 505">441 346 people</p>
 <p data-bbox="212 1022 421 1090">CAPITAL CONTRIBUTION</p>	<p data-bbox="510 796 1102 1050">The subscribed and paid-in capital of the company should be of at least five million American dollars (US \$ 5 000 000.00) or its equivalent in soles. The Qualified Operator must be holder of at least the Minimum Participation (25% of the capital subscribed and paid-in).</p>
 <p data-bbox="226 1505 407 1539">INVESTMENT</p>	<p data-bbox="510 1351 1022 1499">The total investment amount of the Project, without VAT, is estimated at 17 million American dollars (US\$ 17 000 000.00)</p>



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