

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


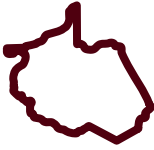


It is a project of the electricity subsector that will allow to attend to the electricity supply service of the area and meet the growing demand for electricity, especially for the development of investment projects.


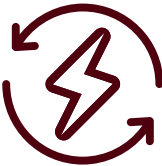




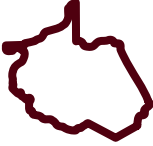

The project is located in Puerto Maldonado and Iberia, in the provinces of Tambopata and Tahuamanu, respectively



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 1071 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="238 993 392 1061">AREA OF INFLUENCE</p>	<p data-bbox="507 857 1084 925">The Project is located in the department of Madre de Dios.</p> <p data-bbox="507 948 1053 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 1955 425 1991">PPP ELIGIBILITY</p>	<p data-bbox="507 1773 1097 1991">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="218 623 412 657">COMPONENTS</p>	<p data-bbox="508 351 1094 426">The Project is divides in three infrastructure components:</p> <ol data-bbox="508 442 1094 737" style="list-style-type: none"> Component 1: Transmission Line Puerto Maldonado - Iberia of 160 km of approximate length Component 2: Substation Iberia 138/22.9 kV 25 MVA Component 3: Upgrade of Substation Puerto Maldonado
 <p data-bbox="186 1553 444 1587">CHARACTERISTICS</p>	<ol data-bbox="508 963 1094 1950" style="list-style-type: none"> Transmission Line Puerto Maldonado - Iberia: <ul data-bbox="553 1043 991 1168" style="list-style-type: none"> • Approximate Length: 160 km • Number of circuits: 1 • Tension: 138 kV Substation Iberia 138/22.9 kV: <ul data-bbox="553 1258 1094 1530" style="list-style-type: none"> • Busbar: 138 kV, simple • Incoming line: 138kV • Connection to power transformer: 138 V • Power transformer: 138/22.9 kV, 20 MVA ONAN, 25 MVA ONAF load tap changer Upgrade of Substation Puerto Maldonado: <ul data-bbox="553 1666 1075 1950" style="list-style-type: none"> • Extension of busbar system to 138 kV line • Output line: 138 kV • Connection to existing transformer: 138 kV • Connection to capacitor banks: 22.9 kV

ELEMENT	DESCRIPTION
 <p data-bbox="185 539 448 571">CONCESSION TERM</p>	<p data-bbox="510 433 1097 539">Concession term goes up to 30 years from the Commercial Operation Date (43 months from the Closing Date)</p>
 <p data-bbox="233 1000 399 1068">PAYMENT MECHANISM</p>	<p data-bbox="510 784 1105 966">As a self-financed project it will not require any payment commitment using public resources nor any disbursement by any public entity, or state-owned enterprise, since it will be financed by the transmission toll*.</p> <p data-bbox="510 1000 1102 1106">*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 data-bbox="278 1476 354 1508">LAND</p>	<p data-bbox="510 1276 1107 1533">It is the concessionaire's responsibility to manage and negotiate 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>
 <p data-bbox="226 1900 404 1968">BENEFITED POPULATION</p>	<p data-bbox="510 1846 726 1882">122 521 people</p>

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

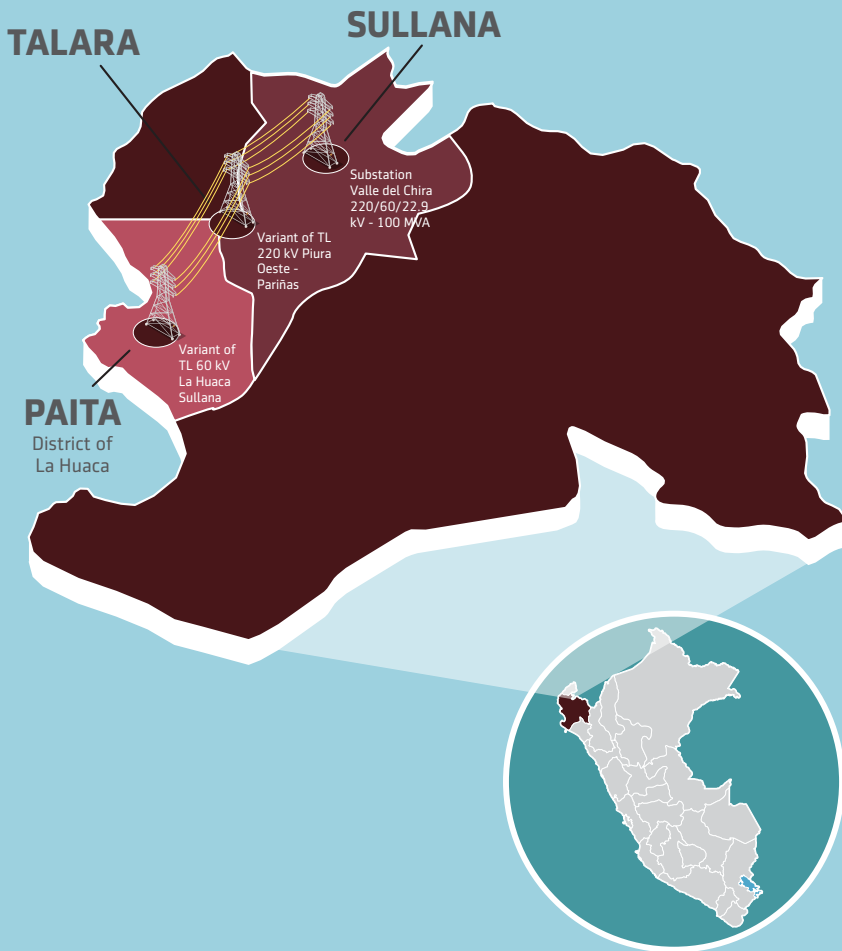
220/60/22.9 KV



PUBLIC -PRIVATE PARTNERSHIP

SUBSTATION VALLE DEL CHIRA 220/60/22.9 KV

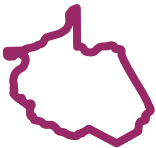


It is a project from the electricity sub sector that will contribute to solve technical issues arising in the power grid of the north of Peru. It will also provide power supply with adequate quality and reliability standards.

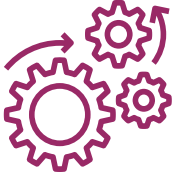


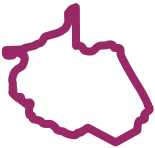





The Project is located in the district of Miguel Checa, province of Sullana and will also strengthen the operation of the electric system of northern Peru

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="267 517 363 548">SCOPE</p>	<p data-bbox="507 374 1107 591">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="238 982 394 1050">AREA OF INFLUENCE</p>	<p data-bbox="507 852 1102 1034">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 1460 437 1492">GRANTOR ENTITY</p>	<p data-bbox="507 1385 1027 1422">Ministry of Energy and Mines (MINEM).</p>
 <p data-bbox="203 1943 428 1975">PPP ELEGIBILITY</p>	<p data-bbox="507 1755 1097 1973">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="220 564 413 598">COMPONENTS</p>	<p data-bbox="510 317 1083 387">The project is divided in three infrastructure components:</p> <ol data-bbox="510 408 1070 659" 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 data-bbox="185 1011 445 1045">CONCESSION TERM</p>	<p data-bbox="510 902 1102 1009">Concession term goes up to 30 years from the Commercial Operation Date (28 months from the Closing Date)</p>
 <p data-bbox="230 1476 400 1546">PAYMENT MECHANISM</p>	<p data-bbox="510 1242 1105 1424">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 data-bbox="510 1460 1085 1605">*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 data-bbox="278 1961 355 1995">LAND</p>	<p data-bbox="510 1732 1106 1989">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 1503 407 1537">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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