

## **VACANCY**

Yayasan Mercy Corps Indonesia (YMCI) is a local Indonesian non-profit organization, which will implement humanitarian, and development assistance programs throughout the country. YMCI mission is to empower people in Indonesia to become healthy, productive, and resilient communities. Resilience means an ability to recover from or adjust easily to misfortune or change. YMCI is looking for

### **NZMATES Program Summary - Maluku**

The New Zealand Ministry of Foreign Affairs and Trade (MFAT) has, through its Aid Programme provided funding for the New Zealand – Maluku Access to Renewable Energy Support (NZMATES) programme. New Zealand-based renewable energy company [Infratec Ltd.](#) has been tasked with the delivery of the NZMATES programme. Infratec has engaged with YMCI to jointly implement this five-year programme.

The main goal of NZMATES is to improve social well-being and economic development on Seram Island in Maluku province by supporting, accelerating, and enabling the sustainable development and utilization of the areas' renewable energy (RE) resources (mainly hydro, solar, wind, and biomass) for the benefit of local communities. NZMATES will work towards promoting and accelerating the identification of RE projects and increase their attractiveness and viability, social and environmental assessments, technical considerations, and triggering and facilitating investment and funding from government, private sector, or other donors. NZMATES will partner and collaborate closely with PLN and EBTKE on increasing the use of renewables and improving energy access through grid-connected and off-grid RE projects.

The NZMATES Team will be based in Ambon and will provide support to fill gaps in knowledge, resources, and research, and will ensure that projects are aligned with the Government of Indonesia and community development framework and objectives. The proposed support for RE projects will include assistance with project identification and appraisal, technical and social assessments, finance matching, and project design to strengthen long-term sustainability. NZMATES is also intended to enhance local public and private sector capacity and offer opportunities for direct training, technical exchange programmes, and interaction between Maluku educational institutions and NZ renewable energy specialists.

### **1. Renewable Energy Technical Specialist - NZMATES**

The Renewable Energy Technical Specialist (RETS) will be part of the NZMATES Team, based at Mercy Corps Indonesia's office in Ambon and travel regularly to program locations in Seram. The RETS will be responsible for leading and carrying out technical assessments of potential renewable energy projects, mainly mini- and small-hydro and/or solar PV and storage technologies. The RETS will work as part of a multi-disciplinary team and will be involved in the selection supervision and training of a junior Technical Officer. The RETS' main tasks will include supporting the development of long-term sustainable business models for RE projects to ensure the financial and operational sustainability of RE projects.

Some of the key assessments the RETS will lead/conduct include scoping potential RE project sites and locations, assessing available RE resource potential and availability, conducting techno-economic studies from project identification phase (e.g. scoping, pre-design, cost estimates, and pre-feasibility studies) to technical assessments (e.g. design, feasibility studies, budgeting, and modelling), among others.

The RETS will also be engaged in supporting the development and delivery of tendering and engineering processes (e.g. detailed engineering, producing bills of materials, drawings, and layouts), providing project delivery support with others (e.g. supervision, training materials, commissioning good practices, etc.), and for project operation and maintenance (O&M) tasks. The RETS will support and work directly with PLN and ESDM staff on potential projects, and engage with private sector entities and/or communities in developing RE project proposals as necessary.

It should be noted that while the RETS will be responsible for a wide range of technical areas, the role will be supplemented with senior or technical engineering support, from within Infratec or externally, where required at key stages during the programme. The RETS is also expected to closely engage with the NZMATES Community Engagement Specialist(s) for support in data gathering, and also to incorporate aspects of social assessments and considerations into the projects' technical aspects.

### **Qualifications:**

- ! University degree in electrical or mechanical engineering, renewable energy technologies, or similar;
- ! 5-10 years' experience in designing and delivering renewable energy projects;
- ! Experience conducting feasibility studies, environmental impact assessments, and other technical studies in the renewable energy field;
- ! Renewable energy and energy storage technology experience – preferably one or more of the following:
  - a) Experience using renewable energy and energy storage modelling and design software (e.g. HOMER Pro®, RETScreen, iHOGA, DER-CAM, Excel-based tools, or others);
  - b) Experience using solar PV design and modelling software/tools (e.g. PVSyst, SolarGIS, Meteonorm, Sunny Design); and/or
  - c) Experience using GIS tools and hydropower modelling software/tools (e.g. Casimir, PEACH, Hydrohelp, others).
- ! Experience using drawing software (e.g. AutoCAD, Sketch-Up, Draft Sight);
- ! Experience in costing RE projects, use of financial analysis tools (e.g. SAM), using pricing or estimation techniques or software (e.g. Pronamics, Excel, other tools), and developing RE project budgets;
- ! Experience in developing bill of materials for renewable energy projects;
- ! Experience in developing tendering documentation, detailed design and engineering, and with supporting entities as owners engineer is desirable ;
- ! Some knowledge of conceptual or detailed design of LV and HV network installations will be advantageous;
- ! Practical, hands-on experience working in energy access and/or renewable energy programmes;
- ! Strong communications skills and experience working as part of a multi-disciplinary team;
- ! Experience working in Maluku province and understanding of local context will be highly valued;
- ! English language skills an advantage.

## **2. Community Engagement Specialist - NZMATES**

The Community Engagement Specialist (CES) will be based at Mercy Corps Indonesia's office in Ambon and spend a significant amount of time in remote program locations in Seram and surrounding areas. The CES will be the key liaison person between NZMATES and the communities on Seram Island where projects will take place. This role will lead community engagement activities for NZMATES, including identifying key stakeholders and groups within communities, communicating project activities and objectives, ascertaining community needs and barriers to participation, and encouraging involvement in project activities following good

practice standards. The CES will conduct community-level assessments, stakeholder mapping, and energy needs assessments.

The Community Engagement Specialist will support project implementation together with relevant community actors, including assisting communities with the development of RE plans and proposals and execution of RE projects. The CES will support monitoring, evaluation, and learning activities, and ensure community-level accountability and feedback mechanisms are in place. The CES will also support the NZMATES office in developing briefings for external actors visiting communities, and developing tools for community engagement and assessment.

**Qualifications:**

- ! University degree in socio-economic development, social sciences, anthropology, or similar field;
- ! 5-10 years' experience in community development programming;
- ! Experience working with humanitarian or development organization (NGO or other);
- ! Experience engaging with remote communities, local government (village, sub-district, and district level), civil society, and other local stakeholders;
- ! Ability to foster positive and effective working relationships with variety of stakeholders;
- ! Experience working in Maluku province and understanding of local context;
- ! Familiarity in research and gathering data on socioeconomic indicators, statistics and other information on different communities, analyzing data and processing it;
- ! Experience in carrying out socioeconomic surveys and field data gathering processes;
- ! Experience in conducting community assessments, FDG, MEL, and KII;
- ! Experience with energy needs assessments, evaluating energy needs priorities, capacity to pay, and other energy projects related requirements;
- ! Experience with defining potential village-level management/support models, identifying champions, and assessing local capacities;
- ! Experience in properly engaging and obtaining village representation from all sectors, including the most vulnerable ones;
- ! Experience with carrying out disaggregated assessments and reporting;
- ! Experience with village funds, BUMDes, and other local village, sub-district, and district entities;
- ! Strong facilitation skills as used for group meetings, negotiations, trainings, etc.
- ! English language skills;
- ! Familiarity with Word, Excel, and internet,

This role is open to all applicants. Women and people from Maluku are especially encouraged to apply.

Please send your CV together with form on this [link](#) with position applied on the email subject to [hrd@id.mercycorps.org](mailto:hrd@id.mercycorps.org)

Vacancy will be closed **17 June 2018** and only short listed candidates will be contacted for interview.

We look forward to hearing from those who are interested in taking this opportunity to grow and develop with us.

Thanks,  
Human Resources Department  
Mercy Corps Indonesia