

**Indonesia, Sulawesi-Lombok Programme for Earthquake and Tsunami Infrastructure  
Reconstruction Assistance (PETRA)  
Quarterly Progress Report October – December 2020 / Annual Report 2020**

**Sector situation:**

Indonesia held simultaneous regional elections to choose new district heads/regents, city mayors, and provincial governors on Wednesday 09 December 2020 in 37 Cities and 224 Regencies throughout the country, including in Central Sulawesi and West Nusa Tenggara. There were no political occurrences that may have affected the Project, except for the need to introduce PETRA to the newly elected head of districts, city mayor and governor.

The COVID-19 outbreak that occurred in March 2020, remains a main challenge for project implementation. Particularly during the 4<sup>th</sup> quarter of 2020, in which the groundwork started for several sub projects in both targeted provinces. The “new normal” policy related to the Coronavirus Disease (COVID-19) pandemic has led many government institutions at all levels to resume operating with COVID-19 health protocol measures as guidance. Under these guidelines, the Resilience and Reconstruction Unit (RRU) and PETRA Project teams has continued implementing project activities taking into account the Work-from-Home policy, health protocols for all staff and partners, utilization of online platform for coordination, consultation, communication, monitoring and managing project progress on the ground.

Action Plan for Rehabilitation and Reconstruction (Renaksi RR). Housing rehabilitation and reconstruction remained the focus of both Central Sulawesi and West Nusa Tenggara this quarter. As of December 2020, 56%<sup>1</sup> out of total 5,246 units of targeted permanent housing in Central Sulawesi for 2020 have been built. The government agency responsible for housing, *Balai Prasarana Permukiman Wilayah (BP2W)* of Central Sulawesi, reported that inaccurate data on beneficiaries and land clearing are the main challenges to the construction of permanent housing. Whilst in West Nusa Tenggara Province, it has reached 90.62% or 204,992 units out of total target 226,204 units<sup>2</sup>. In August 2020, the Government of West Nusa Tenggara province has again extended the emergency to recovery transition period till December 2020 due to incomplete housing reconstruction projects.<sup>3</sup>

Coordination with local governments, project implementation partners, and beneficiaries. Bilateral coordination with local governments in both Central Sulawesi and West Nusa Tenggara has been maintained throughout the year. Due to the COVID-19 pandemic, the coordination with implementing partners is intensified through both Zoom meetings, email exchanges, and instant messaging, i.e., WhatsApp, and phone calls. Urgent and/or important field activities monitoring, and site inspections were carried out by applying the UNDP Country Office procedures on COVID-19 health protocols.

IMDFF-DR has been renamed the Indonesia Disaster Management Fund (IDMF), and emphasizes a more sound coordination and synergy between Bappenas, BNPB and the Ministry of Finance in managing grants for disaster management in the pre-disaster, emergency and post-disaster phases in Indonesia. The institutional framework of PETRA continues under IDMF, with no changes to Project Board structure and signatories of the Project Document.

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<sup>1</sup> Report on Post-disaster Rehabilitation and Reconstruction of Permanent Housing in Central Sulawesi, January 2021

<sup>2</sup> Progress Report of NTB’s Post-Earthquake Housing Rehabilitation and Reconstruction – TPK Rehab Rekon NTB, September 2020

<sup>3</sup> Nusa Tenggara Barat Governor’s Decree No 360-634 Year 2020 – issued on August 13<sup>th</sup>, 2020

## Progress and developments during the reporting period:

Milestones that can be highlighted as key accomplishments during 2020:

- Completion of Geological survey and investigations in Q1 2020 that covers all sites of Output 1 and 2 of the PETRA Project. The findings and recommendations were conveyed to all PETRA stakeholders, and significantly contributed to assurance of the feasibility for reconstruction of subproject sites' and quality of structural design under the principle of *build back better and safer*.
- Completion of inclusive studies (both on gender and persons with disabilities) in Q1 2020, resulted in the establishment of technical guidelines of inclusive design and construction. The guidelines set the ground for PETRA's government stakeholders on understanding towards gender equity and disability rights to benefit from reconstructed infrastructure. It also contributed to the quality of design of target work.
- Finalization of PETRA Output 2's targets in early Q3 2020 by the IDMF (formerly known as IMDFF-DR) which added 8 (eight) more subprojects to the initially approved 5 (five) subprojects.
- Completion of 8 (eight) community infrastructure subprojects (of Output 2) in North Lombok and East Lombok district by Q4 2020.
- Completion of 2 (two) construction tender packages (of Output 1) which include 4 (four) vocational school and 10 (ten) primary and support health facility subprojects in West Nusa Tenggara, and 2 (two) health facilities/ hospital subprojects in Central Sulawesi, and commencement of the construction work by Q4 2020.

## Key Achievements in October-December 2020

- Completion of tender process for Construction of Inpatient Buildings, Pharmacy and Maternity Building in Two Hospitals in Central Sulawesi (Ref No. ITB-UNDP-PETRA-92265-003-2020). Kick-off meeting held on 16<sup>th</sup> October 2020 between PETRA Project Team, Anutapura and Tora Belo Hospital Management teams, the selected Contractor – PT. Dwi Tunggal Suryajaya (AG Construction), and the Design and Supervision Consultant firm – PT. Arkonin Engineering Manggala Pratama. The construction work commenced on 26 October 2020, and as per 31 December 2020, the progress were at 6.2% for Anutapura and 3.9 % for Tora Belo, with the cumulative progress being 10.1%.
- Completion of tender process for Construction of Health and School Facilities in West Nusa Tenggara (Ref No. ITB-UNDP-PETRA-92264-002-2020). Kick-off meeting held on 5<sup>th</sup> November 2020 between PETRA Project Team, the selected Contractor - PT. Ervan Prima Abadi JV with PT. Machara Konstruksitama and PT. Enera Teknika Utama, and the Design and Supervision Consultant – PT. Arkonin Engineering Manggala Pratama JV with PT. Dacrea Design and Engineering Consultants. It was followed by coordination meeting with local government stakeholders led by the Vice Governor of West Nusa Tenggara on 12<sup>th</sup> November 2020 related to the implementation plan of the subprojects. The construction work commenced on 20<sup>th</sup> November 2020, and as per 31 December 2020, the cumulative progress reached completion of site preparation work.
- The construction work for 8 (eight) community subprojects in West Nusa Tenggara have been completed during this reporting period and have been monitored by local government of North Lombok and East Lombok (*please see annex 9 for Subproject Completion Reports*).
- Call for Proposals for support to Community Reconstruction for Livelihood Recovery in Dolo Selatan and Gumbasa Sub-District, Sigi District, Central Sulawesi released in November 2020 and technical briefing on Call for Proposals was conducted in December 2020 with 12 CSOs participants.

- Through the project advocacy support in Output 2,13 target beneficiary groups (175 persons – 95 women, 80 men) in North Lombok were promoted to receive in-cash and in-kind supports from local government of North Lombok through Regional Incentive Fund (*Dana Insentif Daerah*) to strengthen and sustain their own business.
- Disaster Risk Reduction has been integrated into village development policies and programs. The village government of Sambik Elen has budgeted IDR 28 million for emergency response training activities of village DRR Forum and Village Disaster Taskforce (TSBD) and DRR equipment through the Revised APBDes (Village Fiscal Revenue and Expenditure Budget) of 2020. The Government of Genggelang Village has budgeted disaster risk reduction activities in the RPJMDes (Village Government Medium-term Development Plan) of 2021-2026 for the allocation of disaster management and village emergencies around IDR 902 million.
- PETRA Project Board Meeting conducted in December 2020 was attended by BNPB (National Disaster Management Agency), Bappenas (Ministry of Development Planning), Kemenkeu (Ministry of Finance), KfW, and UNDP. The Board Meeting discussed the PETRA implementation progress as of December 2020, and its associated issues and challenges. Mechanisms of PETRA Asset registration and transfer to BNPB, projection on time extension required by PETRA project, and commitment of BNPB for continuous support through the Deputy for Rehabilitation and Reconstruction were highlighted during the discussion.

### **Challenges in October-December 2020**

- The Invitation to Bid (ITB) for Construction of Two Landfills and Supporting Facilities in Central Sulawesi (Ref No. ITB-UNDP-PETRA-g2267-004-2020) which began in mid-August, had to be re-tendered due to unfavorable result following due diligence process on the winning bid Re-tendering will commence by Q1 2021<sup>4</sup>.
- The Invitation to Bid (ITB) for Construction of Health (2 Primary Healthcare) and School (21 Schools) Facilities in Central Sulawesi (Ref No. ITB-UNDP-PETRA-g2266-005-2020) which began in September, had to be re-tendered due to unsuccessful result following minimum and technically non-responsive bids. Re-tendering with adjusted strategy in distributing the package into 5 LOTs began in November and bid evaluation completed in December 2020. Out of 5 LOTs, 1 (one) LOT was unsuccessful due to technically non-responsive bids and this LOT will be re-tender by Q1 2021<sup>5</sup>.

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<sup>4</sup> Note: Tender Cancellation Notice has been issued on 18th January 2021

<sup>5</sup> Note: UNDP ACP approval on the 4 LOTs has been received by 6th February 2021, and to immediately continue with contract signing with the winning bidder.

Annex 1 highlights progress of Q4 as per end of December 2020 against each output and activity. Overall, the project experiencing slower pace in activities implementation due to COVID-19 pandemic and consequent impact specifically on construction market in Indonesia which further affect the tendering participation and process.

### Output 1.

In Central Sulawesi, PT Dwi Tunggal Suryajaya (AG Construction) has started the construction work in two hospitals (Anutapura hospital in Palu and Tora Belo hospital in Sigi) in October 2020. As of the end of 2020, the progress is 6.206 % for Anutapura and 3.9 % for Tora Belo, with the cumulative progress being 10.1 %. Routine monitoring and weekly site coordination between PETRA Project Team, PT Dwi Tunggal Suryajaya (AG Construction) as contractor, and PT Arkonin EMP as consultant, have been conducted to ensure an optimal delivery by practicing the COVID-19 prevention protocol in construction work.

The tendering process of Construction of Two Landfills and Supporting Facilities in Central Sulawesi (Ref No. ITB-UNDP-PETRA-92267-004-2020) that was previously expected to conclude in the mid of Q4 had to be undergone due diligence process and resulted in decision of re-tendering. Meanwhile the ITB process of Construction of Health and School Facilities in Central Sulawesi that began in September 2020 (ITB-UNDP-PETRA-92266-005-2020) had been re-tendered as ITB-UNDP-PETRA-92266-008-2020 in November 2020 due to the minimum bids received and technically non-responsive bids. The solicitation for bids for the retendering was held from 4 to 30 November 2020. The retendering was done with adjustment in which one tender package is divided into five LOTs to attract more mid-size companies to participate, which were: LOT 1: Construction of School Facilities in Palu city, LOT 2: Construction of Health and School Facilities in Donggala district, LOT 3: Construction of School Facilities in Parigi Moutong district, LOT 4: Construction of School Facilities in Sidera & Lompio – Sigi district, and LOT 5: Construction of Health and School Facilities in Sigi Biromaru & Kulawi– Sigi district. The bid evaluation was conducted in 01-31 December 2020 and expecting to be awarded in Q1 2021<sup>6</sup>.



Bore pile work at Anutapura Hospital on 17 December 2020. Credit: UNDP PETRA.

In West Nusa Tenggara, PT. Ervan Prima Abadi JV with PT. Machara Konstruksitama and PT. Enera Teknika Utama were selected as contractors for the package of Construction of School and Health Facilities in Lombok (Ref.No.ITB-UNDP-PETRA-92264-002-2020) and signed the contract of work on October 12<sup>th</sup>, 2020. The contractors submitted the Performance Bond on November 4<sup>th</sup>, 2020 and Bank Guarantee for advance payment on 26<sup>th</sup> November 2020. The kickoff meeting was conducted on 5<sup>th</sup> of November 2020, followed by coordination meeting with Local Government of West Nusa Tenggara in November 12<sup>th</sup>, 2020 to update PETRA implementation plan and construction progress of health and school facilities. The meeting was opened by the Vice Governor of West Nusa Tenggara, Ibu Dr. Ir. Hj. Sitti Rohmi Djalilah, M.Pd.

<sup>6</sup> Note: see footnote 5.

Following the issuance of permits letter from both related local government units in November 16<sup>th</sup> and 19<sup>th</sup>, 2020, that marks the construction work of PETRA project in West Nusa Tenggara, on November 20<sup>th</sup>, 2020, consultant supervision sent a letter on personnel mobilization dedicated to supervise the construction work of educational and health facilities in West Nusa Tenggara. As per December 2020, the contractor has completed preparatory work on site covering the site layout, boundary measurement, land clearing, establishment of site office and warehouses, construction of safety perimeter fence, and coordination as well as socialization with local stakeholders and community leaders.

The Project Team, Contractors and Supervision Consultants have set up technical meeting weekly to review construction work progress, discuss challenges and obstacles in field, and formulate action plan. WhatsApp groups were established as quick communication channel. Only if seen important and urgent, technical meeting between the parties have also been conducted on subproject sites.

## **Output 2.**

In Central Sulawesi, the construction work of Tuva suspensions bridge that was commenced on 15 September 2020 has reached 26.33% as of December 2020.

The request for proposal for Consulting Service for the Design and Construction Supervision for Two (2) Public Markets in Central Sulawesi in Q3 resulted in lack of value for money in which PETRA seeks to solve by changing the modality into hiring individual consultant for the work. The advertisements for Design and Supervision Engineer, Assistant Design and Supervision Engineer, and Drafter were announced on 17 December 2020 and closed on 31 December 2020. PETRA is expecting the result in Q1 2021.

A technical briefing on Call for Proposal of two community subprojects - Tuva and Jono Irrigation canal was held on 8 December 2020 and participated by 12 CSOs in Central Sulawesi. UNDP PETRA invited CSOs to participate in a call for proposal to provide Support to Community Reconstruction for Livelihood Recovery in Dolo Selatan and Gumbasa Sub-District, Sigi District, Central Sulawesi. The component is intended for community work which covers rehabilitation and reconstruction of clean water sources, storage and distributions; drainages or irrigation channel, pedestrian and vehicular roads (including sidewalks, trail track, small bridges and culvert) in Irrigation Jono Village and Irrigation Tuva Village. This call began on 17 November and ended on 20 December 2020.

In West Nusa Tenggara, during the 4<sup>th</sup> quarter of 2020, the UNDP CSOs partners in West Nusa Tenggara have been completed the construction work process for 8 targeted community infrastructure. The reconstruction of those community infrastructure is conducted by applying the Cash for Work (CfW) scheme. The CfW scheme will provide alternative sources of income for targeted communities, to reducing the double burden faced by communities affected by the economic fallout of the pandemic and natural disasters, as well as increase the ownership of the facility since the facility will be managed by themselves at village level. The reconstruction of those community infrastructure is conducted by applying the Cash for Work (CfW) scheme, 8 targeted community infrastructure has provided short term economic benefit for 172 workers, comprising 22 women (13%) and 150 men (87%) included one person workers with disabilities in the construction work of commodity kiosk at local market of Genggelang village. The reconstruction of those community infrastructure is expected to be a stimulus for gender equality in construction work.

UNDP and CSO partners have coordinated with local government stakeholders at village and district level to carry out joint inspections of rebuilt community infrastructure to ensure the quality of work in



accordance with detail engineering design (DED) and technical specification. The result of joint inspection will be used as the basis of handing over of the infrastructure to government. Furthermore, the hand over process to village government will be carried out between CSO partners and the village government acknowledged by UNDP, the District Disaster Management Agency and the District BAPPEDA. The village government is obliged to manage and maintain these assets and budget them in the village budget.

BAPPEDA North Lombok has budgeted IDR 671 million of 2021 for clean water installation of 3 hamlets in Sambik Elen village, replicated from KfW funded UNDP PETRA project intervention.

Besides construction work, the UNDP CSO partners are continuing their efforts in developing the capacity of community in terms of disaster risk reduction (DRR), livelihood-related skills, as well as strengthening institution capacity at village level.

In North Lombok, the UNDP CSO partner PALUMA, continues providing technical support and assistance for livelihood recovery in Sambik Elen and Genggeling villages. During Q4 2020, they focused on supporting the marketing of the assisted groups' products such as cotton face masks, hats, and cashews, coffee, cacao. Marketing teams were established and received technical assistance in terms of packaging, promotion, and distribution strategies. It was expected that these knowledge and soft-skills could complement and improve the beneficiaries' capacity in recovering from the earthquake in 2018 and during a devastating economic downturn due to the COVID-19 pandemic.

13 community groups (of 175 persons, 95 women and 80 men) in Genggeling and Sambik Elen villages- North Lombok district were facilitated by the project accessed the regional incentive funds called Dana Insentif Daerah (DID). The community group's proposals that have been approved are as follows:

1. Cocoa group called "Putri Genggeling" (23 members) received: 10 ovens, five mixers, four sealers, and three vacuum cleaners.
2. "Cashew Flower" group in Sambik Elen (10 members) received 7 cashew nut peelers,
3. "Gewel Coffee" group (23 members) in Genggeling village have received 3 coffee grinding machines and 3 sealers.
4. "Tunas Timur" group (12 members) in Sambik Elen have received a full package of coffee shop equipment namely, coffee cart with coffee makers, coffee grinders and glasses, with other equipment valued around IDR 15 million.
5. "Harapan Baru" group (7 members) in Sambik Elen have also got 3 coffee grinders and 3 sealers.
6. In Genggeling village, the "Remoba" group (11 members) received a full package of coffee shop equipment namely, coffee cart with coffee makers, coffee grinders and glasses, with other equipment value around IDR 15 million.
7. The Tourism Awareness Group (Pokdarwis) at Tiu Pituq waterfall (18 members) in Genggeling village received IDR 185,000,000 comprising IDR 150,000,000 for infrastructure rehabilitation through labor-intensive activities, IDR 35,000,000 for equipment.
8. The Tourism Awareness Group (Pokdarwis) Rumah Pohon (23 members) in Gangga Hamlet, Genggeling Village, received IDR 75,000,000 for repair tourism infrastructure.
9. In Sambik Elen village, People with Disabilities (PwD) called "Pade Ate" (10 members) received 52 boxes of trigona honeybees.
10. In Genggeling village, PwD group called "Anugerah" (10 members) also received 52 boxes of trigona honeybees.
11. Sewing group "Sambik Elen Fashion" (9 members) in Sambik Elen receive portable sewing machine through regional incentive fund in December 2020
12. Community group "Nina Genem" (8 members) in Genggeling village confirmed to receive portable sewing machine through regional incentive fund in December 2020.

13. Al-Hidayah women farmer group (11 women) in Sambik Elen have received 1 unit of trash chopper that will be used for making compos.

To ensure the sustainability of those groups, PETRA project through its partner have strengthened the capacity of village owned enterprise called BUMDes. As results, the board members of BUMDes in Sambik Elen village has been officially selected and operated. Whilst in Genggelang is in on-going process of selection. BUMDes will play important role for assisting and marketing commodity products. Both village government of Sambik Elen and Genggelang have confirmed to allocate village fund for strengthening BUMDes in 2021.

In East Lombok, the UNDP CSO partner, WVI carried out a mapping of farmers' needs for 18 farmers' groups and seven (7) groups of IKM (small and medium industry) in Sembalun Bumbung, Sembalun Lawang and Sajang villages. As results, those groups were assisted by project for tools and materials value IDR 3 million per group to strengthen the capacity and sustain their business. To ensure the sustainability of those targeted groups, PETRA project through its partner have signed MoU with Sembalun sub-district agriculture office to provide further assistance to farmer groups in Sajang, Sembalun Bumbung and Sembalun Lawang village. For instance, on November 17-19<sup>th</sup> 2020 those targeted farmer's groups have been trained to produce organic fertilizers and piloted on the demonstration plot at the end of November 2020. As results, the plants are growing well, and maintenance costs reduced compare to using non-organic fertilizers. They plan to produce organic fertilizers and sell them locally.

In terms of strengthening DRR capacity of PETRA project's targeted villages, several activities have been carried out, namely strengthening capacity and institutions of DRR, production of disaster risk maps, installation of warning signs in disaster-prone areas, identification of early warning systems, development of standard operational procedures (SOPs) for inclusive disaster management and provision of first aid. 130 disaster warning signs have been installed in five (5) targeted villages in North and East Lombok district.

The PALUMA has also successfully encouraged the village government of Sambik Elen allocating budget IDR 28 million for emergency response training activities of village DRR Forum and Village Disaster Taskforce (TSBD) and DRR equipment through the Revised APBDes (Village Revenue and Expenditure Budget) of 2020. The Government of Genggelang Village has integrated the disaster risk reduction activities into the RPJMDes (Village Government Midterm Development Plan) of 2021-2026 committed for the allocating budget each year in the RKPDes (Village Government Workplan) of disaster management and village emergencies with total for 5 years around IDR 902 million.

On November 11<sup>th</sup>, 2020 PALUMA, village DRR Forum and Village Disaster Taskforce (TSBD) have collaborated to carry out DRR training using the village budget. The village head of Sambik Elen handed over the DRR tool from the village budget to village DRR Forum and Village Disaster Taskforce (TSBD) on December 1<sup>st</sup> 2020.

In East Lombok, the UNDP CSO partner WVI, continues providing technical supports and assistance for DRR activities in Sembalun Bumbung, Sembalun Lawang and Sajang villages. WVI working together with Village Disaster Taskforce (TSBD) and youth groups have discussed the problem of waste in Sembalun Bumbung village and climate change mitigation plans through reforestation in Sembalun Lawang village. They have been entrusted to managing the COVID 19 response budget. They also are in the process of escorting DRR into village planning.

As the completion of construction work of 8 community infrastructure in 5 targeted villages in North Lombok and East Lombok district in December 2020, 3.035 Households (11,3472 villagers: 5744 men and 5603 women) have benefited directly from KfW funded UNDP PETRA project. Whereas, its indirect beneficiaries around 34.096 villagers (17.267 men and 16.829 women)<sup>7</sup>.

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<sup>7</sup> The detail figures will be reported in the next period upon the completion of CSO partner's final report

### **Update of time schedule:**

The COVID-19 outbreak in 2020 significantly impacted the PETRA project throughout the year. By June 2020, it was forecast that the Project completion, specifically construction work, would likely be postponed by about 6 (six) months, from December 2021 to June 2022, with assumptions that all 4 (four) tender packages completed by December 2020. However, the unfavorable results of the tender for Construction of Two Landfills and Supporting Facilities in Central Sulawesi, and 1 LOT from the Construction of Health (2 Primary Healthcare) and School (21 Schools) Facilities in Central Sulawesi have then affected the schedule to complete the whole construction work.

Due to this latest development, the earliest completion date of the first reconstructed facility is estimated at October 2021, and the Latest Finish date for the last reconstructed facilities by December 2021. Consequently, this will then prolong the initial operational closure date from December 2021 to December 2022, in order to accommodate the defects and liability period<sup>8</sup> and asset transfer process. The updated time schedule is enclosed as Annex 5 (Multi Year Work Plan).

### **Costs and Finances:**

The financial expenditures in Q4 2020 have increased significantly due to the completion of tender of two major packages of Output 1. As per December 2020, the delivery rate reached Euro 10,934,059.32 or 43.74% from the total budget (please refer to Annex 7). A budget realignment is foreseen; however, the details of the proposed realignment will likely be able to be provided after the completion of the re-tendering of remaining ITBs.

### **Outlook, recommendations and issues to be decided upon:**

Entering the 2021, the second wave of COVID-19 outbreak continues rising significantly across Indonesia, including in both West Nusa Tenggara and Central Sulawesi. The enforcement of COVID-19 protocol at the national, regional and local level have been continued. In both PETRA targeted provinces, commuting to and from areas (between districts and municipality) within the province requires rapid test, whilst travel in and out of the province requires PCR swab test. Consequently, it continues significantly affect the implementation pace on the ground.

Considering the needs of project's target as well as potential risk being imposed due to direct interaction in the field, some measurements will be taken carefully to ensure the safety of all staffs. UNDP has continued to apply the COVID-19 protocols through Work-from-Home mechanism, travel restrictions including scrutiny on field visits, limiting events with physical interactions with external stakeholders, and provision of Personal Protective Equipment (PPE) well as psychological support to personnel specifically those stationed in the project sites.

The IT-based approach, such as online training or meeting are encouraged to be applied. Particularly for Output 2 that required active engagement with community. Face to face interaction with beneficiaries, if needed to be taken, it should obey the COVID-19 preventive measures. Raising awareness on the risk of being imposed to COVID-19 should be done accordingly. For instance, PETRA project's Cash for Work guideline that integrated with COVID-19, gender and disability will be applied strictly.

In the context of project monitoring, there will be a challenge, since some of the construction work have started where the field monitoring is required. Therefore, besides deploying online platform, regular field visit with

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<sup>8</sup> as per UNDP General Conditions of Contract for Civil Works requires 12 (twelve) months of Defects Liability Period calculated from the date of completion of the Work stated in the Certificate of Substantial Completion issued by the Engineer or, in respect of any Section or part of the Work for which a separate Certificate of Substantial Completion has been issued.



obeying high standards of COVID-19 protocol will be applied. In terms of communication, PETRA activities will continue to be promoted and published via social media such as Twitter and Instagram as had been done in the previous reporting period. UNDP keeps communicating with PETRA's target beneficiaries, government and implementing partners regularly to ensure all stakeholders on UNDP's commitment to reconstruction project despite the COVID-19 crisis.

For the Q1 of 2021, the Project will be focusing at:

- a) Monitoring of the civil work of two hospitals subprojects in Central Sulawesi and fourteen subprojects in Central Sulawesi.
- b) Completion of re-tendering process for civil work of two landfills, and Construction of Health and School Facilities in Donggala district – remaining 1 LOT of the tender package Construction of Health and School Facilities in Central Sulawesi.
- c) CSO selection for the work of two irrigation subprojects in Central Sulawesi.
- d) Design of the two community markets in Central Sulawesi
- e) Groundbreaking/ inaugurations for commencing construction work of health and school facilities in West Nusa Tenggara.
- f) Joint inspection and handover of community infrastructure subprojects in West Nusa Tenggara.

**List of annexes:**

Annex 1. Quarterly Progress Report VI 2020

Annex 2. List of Subprojects

Annex 3. Risk Analysis

Annex 4. Multi Year Work Plan

Annex 5. List of Online Publication in October - December 2020

Annex 6. Quarterly Disbursement 2020

Annex 7. List of Photos of Implementation Progress Activity of PETRA project in 4<sup>th</sup> Quarter of 2020

Annex 8. Subprojects' Completion Report Community Infrastructure Reconstruction in West Nusa Tenggara province.

Annex 9. Communication Plan for February - December 2021

## Annex 1

### QUARTERLY PROGRESS REPORT 2020<sup>1</sup> Period: October-December 2020

Vulnerable communities in Central Sulawesi and NTB recover from the impact of the 2018 disasters and are more resilient to withstand future shocks			
Output 1: Rehabilitation and reconstruction of partially and fully damaged for provision of critical public services			
Output 1 Financial Data	Financial Delivery Amount (Euro) <i>Cumulative expenditures for the current year (Q1-Q4)</i>		Financial Delivery Rate (% <i>expenditures against the annual budget for output</i> )
	Total Project: € 18,929,170.00		Total Project: 46%
Output 1 Indicators	Quarter Progress <i>Provide quantitative results for quarter (not cumulative).</i>	Annual Target <sup>9</sup> <i>Update in Q1 of each year using targets agreed in previous Q4 in annual work plan.</i>	Financial Delivery Amount (EURO) <i>Cumulative expenditures for the current year (Q1-Q4)</i>
1.1 Cumulative # health units reconstructed or rehabilitated using 'build-back better' construction standards	1.1 Work in Progress - 14 of 14 DEDs completed; 12 of 14 subprojects to commence construction work	1.1 5 health units reconstructed by Year 2; and 10 health units by Year 3 (to be adjusted in accordance to approved priority targets).	Euro € 8,701,761.97
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d9e1f2;">Financial Delivery Rate (% <i>expenditures against the annual budget for outcome</i>)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">91%</td> </tr> </tbody> </table>
Financial Delivery Rate (% <i>expenditures against the annual budget for outcome</i> )			
91%			
1.2 Cumulative # educational establishments reconstructed or rehabilitated using 'build-back better' construction standards	1.2 Work in Progress - 25 of 25 DEDs completed; 4 of 25 subprojects to commence construction work	1.2 9 educational establishment reconstructed by Year 2 and 18 by year 3 (to be adjusted in accordance to approved priority targets).	
1.3 Cumulative # of service users that benefit from rehabilitated/ reconstructed health facilities (men and women; girls and boys)	1.3 <i>Tba – upon completion of reconstructed facilities</i>	1.3 50,000 by Year 2; 200,000 by Year 3 (to be adjusted in accordance to approved priority targets).	
1.4 Cumulative # of school-age children that benefit from	1.4 <i>Tba – upon completion of reconstructed facilities</i>	1.4 5,000 by Year 2; 10,560 by Year 3 (to be adjusted in accordance to approved priority targets)	

<sup>9</sup> Annual targets refer to the calendar year (rather than project year), and do not depend on when the ProDoc was signed/when the project officially began.

reconstructed or rehabilitated educational facilities			
1.5 Cumulative # tonnes of municipal solid waste sustainably disposed of and/or recycled per day, using rehabilitated facilities and newly introduced waste management systems	1.5 <i>Tba – upon completion of reconstructed facilities</i>	1.5 150 tonnes by Year 3	
1.6 Cumulative # of cubic metres of earthquake and tsunami debris recycled by municipal public facilities by the end of the project	1.6 <i>Tba – upon completion of reconstructed facilities</i>	1.6 50,000 tonnes by Year 2; 100,000 tonnes by Year 3 (to be adjusted in accordance to approved priority targets).	
1.7 Extent to which a technical guideline on gender sensitive rehabilitation and reconstruction inclusive preparedness is available	1.7 Gender and Disability Inclusive Technical Guidelines produced in 2019; its findings and recommendations are incorporated into the designs of planned facilities	1.7 Technical guideline disseminated to Local Government on Year 2; Adoption of the Technical Guideline by the Government Contractors for schools and health facilities in Year 3	

#### Output 1 Activities

Activity Number	Activity Description	Progress Achieved During Quarter <i>Provide short description of what was undertaken and accomplished</i>	Issues Encountered & Plans to Address Them	Lessons Learned
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#### UNDP Activities

Activity 1.1	Provide support to the finalization/updating of the Multi-Hazard Risk Assessment and Mapping for Central Sulawesi and Lombok	Completed in Q2 2020		
Activity 1.2	Complete a detailed annual investment plan for local recovery, in close consultation with relevant national and	The list of targeted subprojects for post-disaster reconstruction in both Central Sulawesi and West Nusa Tenggara, had been completed in close consultation with relevant		

	local authorities and local communities	national, local government and local communities.  In total, PETRA project will rebuild 41 public basic service infrastructure ( <i>see annex 2 for more detail of targeted subprojects</i> ).		
<b>Activity 1.3</b>	Conduct tendering processes for (a) Civil works design and supervision (stage one) and (b) Construction (stage two) – using 'Build Back' Better principles	<p><b><u>West Nusa Tenggara:</u></b></p> <p>The tendering process for Construction of Health and School Facilities in West Nusa Tenggara package (Ref No. ITB-UNDP-PETRA-92264-002-2020) has been completed and the winning contractor PT. Ervan Prima Abadi JV with PT. Machara Konstruksitama and PT. Enera Teknika Utama has signed the contract of work on October 12<sup>th</sup> 2020.</p> <p><b><u>Central Sulawesi:</u></b></p> <p>The tendering process for package of Construction of Inpatient Buildings, Pharmacy and Maternity Building in Two Hospitals in Central Sulawesi (Ref No. ITB-UNDP-PETRA-92265-003-2020) has been completed and the selected contractor PT. Dwi Tunggal Surya Jaya (AG Construction) has signed the contract on October 2020.</p> <p>The remain tendering process are for Construction of Two Landfills and Supporting Facilities in Central Sulawesi and LOT 2 of the Construction of 21 Schools and 2 Primary Healthcare in Central Sulawesi, which is the Construction of Health and School Facilities in Donggala district.</p> <p>The ITB process of Construction of Two Landfills and Supporting Facilities in Central Sulawesi (Ref No. ITB-UNDP-PETRA-92267-004-2020) began in mid-August, with bid solicitation period started on August 20<sup>th</sup> and</p>		

		<p>has been closed on September 23<sup>rd</sup>, 2020. The pre-bid conference was conducted on August 27<sup>th</sup>, 2020 and has been closed on September 28<sup>th</sup>, 2020. The site was conducted between September 1<sup>st</sup> and 7<sup>th</sup> 2020.</p> <p>The ITB process of Construction of 21 Schools and 2 Primary Healthcare in Central Sulawesi (Ref No. ITB-UNDP-PETRA-92266-005-2020) was launched in September with bid solicitation period starting from September 7<sup>th</sup> to October 12<sup>th</sup>. The pre-bid conference was conducted on September 15<sup>th</sup>, 2020. The site visit was conducted between September 21<sup>st</sup> and 25<sup>th</sup> 2020. This tender has been retendered as ITB-UNDP-PETRA-92266-008-2020 in November 2020 due to the minimum response received. The re-tender package was split into five lots, LOT 1: Construction of School Facilities in Palu, LOT 2: Construction of Health and School Facilities in Donggala District, LOT 3: Construction of School Facilities in Parigi Moutong District, LOT 4: Construction of School Facilities in Sigi Sidera &amp; Lompio Districts, and LOT 5: Construction of Health and School Facilities in Sigi Biromaru &amp; Kulawi Districts. The bid solicitation of the retendering started on 4 November 2020 and ended on 30 November 2020, with pre-bid conference taking place on 9 November 2020. The bid evaluation was conducted in 01-31 December 2020 and contract of LOT 1, 3, 4, and 5 to be awarded in Q1 2021.</p>		
<b>Activity 1.4</b>	Civil works/ Construction: Contract management and supervision	<p><b><u>West Nusa Tenggara</u></b></p> <p>Following the selected contractor has signed the contract of work on 12<sup>th</sup> October 2020, they submitted bank guarantee and performance bond security on 4<sup>th</sup> November</p>	<p>1. In the process of land clearing of the infrastructure of Puskesmas (primary health facility) Labuhan Lombok was found PDAM pipe, the solution is</p>	The importance of intensive communication and fast response to support infrastructure work according to the implementation schedule. UNDP PETRA,



		<p>2020 and Bank Guarantee for advance payment on 26<sup>th</sup> November 2020.</p> <p>Kick off meeting with selected contractor (PT. Ervan Prima Abadi JV), consultant supervision (PT. Arkonin-Dacrea) and PETRA has been conducted on 5<sup>th</sup> November 2020 and continued with coordination meeting with government stakeholders on 12<sup>th</sup> November 2020 virtually to update PETRA implementation plan and commencement of reconstruction work of health and school facilities, led by the Vice Governor of West Nusa Tenggara, Ibu Dr. Ir. Hj. Sitti Rohmi Djalilah, M.Pd.</p> <p>On 20<sup>th</sup> November 2020, consultant supervision sent a letter on personnel mobilization dedicated to supervising the construction work of educational and health facilities in West Nusa Tenggara.</p> <p>As of the end of December, the contractor has completed preparatory works of construction including site layout, boundary measurement, land clearing, establishment of site office and warehouses, construction of safety perimeter fence, and coordination as well as socialization with local stakeholders and community leaders.</p> <p><b><u>Central Sulawesi</u></b></p> <p>The kick-off meeting on the reconstruction of Anutapura and Tora Belo Hospital was conducted on 16<sup>th</sup> October 2020 with the awarded contractor, supervision consultant, and hospital management.</p> <p>The construction work commenced on 26<sup>th</sup> October 2020. The progress of PETRA hospital</p>	<p>coordination with the PDAM for pipe removal.</p> <ol style="list-style-type: none"> <li>2. SMKN (vocational school) Gangga and SMKN Tanjung request to move the location of the Waste Management Place (TPS<sub>3R</sub>), the solution is the school provides a new location</li> <li>3. The construction work of a classroom building of SMKN (vocational school) Pemenang is adjacent to the school boundary. The solution is the location of the classroom construction has been shifted 3 to 4 meters</li> </ol>	<p>contractors and consultant have set up technical meeting weekly to review construction work progress, discuss challenges and obstacles in field, and formulate action plan. They also have created a WhatsApp group to facilitate coordination and communication quickly.</p>
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		package as of 31 <sup>st</sup> December 2020 is 6.2 % for Anutapura hospital and 3.9 % for Tora Belo hospital, with the cumulative progress being 10.1 %.		
<b>Activity 1.5</b>	Provision of equipment to accelerate the restoration and enhancement of critical public services, in close coordination with national and local authorities	The restored capacity of electrical power transformer in Anutapura Hospital Palu has enabled the hospital in putting back the operational capacity of critical facilities that previously had to be operated alternately, i.e., Radiology, Hemodialysis, Electrocardiogram (EKG), CT Scan, as well as the Polyclinic.		
<b>Activity 1.6</b>	Provision of formal and on-the-job training to relevant sub-national authorities and community organizations	Technical support for operational and maintenance activities of electrical power transformer in Anutapura Hospital Palu. Latest technical support in terms of operations and maintenance of Low-Voltage Main Distribution Panel and Generating Set's Synchronizing Panel was provided by the end of September.		

Output 2: Rehabilitation of affected communities' economic to promote more resilient and sustainable livelihoods			
Output 2 Financial Data	Financial Delivery Amount (Euro) <i>Cumulative expenditures for the current year (Q1-Q4)</i>		Financial Delivery Rate (% <i>expenditures against the annual budget for component</i> )
	Total Project: € 1,390,498.40		Total Project: 33 %
Output 2 Indicators	Quarter Progress <i>Provide quantitative results for quarter (not cumulative).</i>	Annual Target <i>Update in Q1 of each year using targets agreed in previous Q4 in annual work plan.</i>	Financial Delivery Amount (Euro) <i>Cumulative expenditures for the current year (Q1-Q4)</i>
2.1 Cumulative # km of irrigation canals and drainage in disaster-affected areas rehabilitated or reconstructed for improved agriculture	2.1 Work in Progress – 3 out of 5 irrigation canals are completed; 1 clean water pipeline distribution is completed; 2 water retention basins with drainage had been completed. Remaining 2 (irrigation canal) are in the DEDs consultation stage.	2.1 4 km in Year 2; 7 km in Year 3 (to be adjusted in accordance to approved priority targets).	Euro € 496,694.72
			<b>Financial Delivery Rate (% <i>expenditures against the annual budget for outcome</i>)</b> 97%
2.2 Cumulative # of culverts and bridges disaster-affected areas rehabilitated or reconstructed for improved agriculture	2.2 Work in Progress – (1 out of 2 bridges completed: Belunak farmers bridge in East Lombok; 1 is in construction works)	2.2 2 in Year 2; 3 in Year 3 (to be adjusted in accordance to approved priority targets).	
2.3 Cumulative # local markets rehabilitated or reconstructed	2.3 Work in Progress (1 out of 3 completed: Commodity kiosk of Genggeling market; 2 are in the DED process)	2.3 1 in Year 2; 2 in Year 3 (to be adjusted in accordance to approved priority targets).	
2.4 Cumulative # households that benefit from economic rehabilitation (men and women), including direct beneficiaries (self-employed; employees) and indirect beneficiaries (consumers/users) – in retail and agriculture	2.4 tba – (current direct beneficiaries are 3.035 Households (11,3472 villagers: 5744 men and 5603 women); Indirect beneficiaries around 34.096 villagers (17.267 men and 16.829 women)– the detail figures will be provided in the next reporting period upon the completion of CSO partner's final report. (the number will be increase upon	2.4 Retail - 300 Hh (direct) and 1,000 Hh (indirect), Agriculture – 1,000 farmers (Year 2); Retail – 400 Hh (direct) and 3,000 (indirect), Agriculture – 2,000 farmers (Year 3) ((to be adjusted in accordance to approved priority targets).	

<p>2.5 Cumulative # newly created jobs in the waste management and recycling ecosystem (collection, sorting, processing retailing), direct and indirect, men and women</p>	<p><i>completion of 5 remaining community infrastructure in Central Sulawesi)</i></p> <p>2.5 <b>Being assessed on relevance with current situation (revision will be formalized in Project document revision)</b>          Opportunities on creation of jobs in the context of waste management and recycling will be assessed along the reconstruction of target community markets in Genggelang, NTB; and Omu – Sigi and Sibado – Donggala markets. The assessment will be conducted in close coordination and communication with local government stakeholders.</p>	<p>2.5 250 jobs in Year 2; 1,000 jobs in Year 3 (to be adjusted in accordance to approved priority targets).</p>	
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**Output 2 Activities**

Activity Number	Activity Description	Progress Achieved During Quarter <i>Provide short description of what was undertaken and accomplished</i>	Issues Encountered & Plans to Address Them	Lessons Learned
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**UNDP Activities**

<p><b>Activity 2.1</b></p>	<p>Facilitate community-led processes for the identification and prioritization of critical local economic assets (infrastructure)() to be recovered</p>	<p><b>West Nusa Tenggara</b>          As of 6<sup>th</sup> July 2020, the IMDFF_DR has verified and approved five other targeted community infrastructure therefore, in West Nusa Tenggara, there are 8 community infrastructure to be reconstructed under PETRA project. As follows:          1) Clean water installation Birisan Nangka, Sambik Elen village - North Lombok          2) Village Market Genggelang, Genggelang village – North Lombok          3) Irrigation canal Orong Sempade, Sajang village – East Lombok          4) Irrigation canal Bawak Nao Daya, Sajang village - East Lombok</p>		
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		<p>5) Farmer's bridge Belunak, Sembalun Lawang village – East Lombok</p> <p>6) Water retention basin and drainage Rante Mas, Sembalun Lawang village – East Lombok</p> <p>7) Water retention basin and drainage Nap-nap, Sembalun Bumbung village – East Lombok</p> <p>8) Irrigation canal Dayan Rurung Timuk, Sembalun Bumbung village- East Lombok.</p> <p><b><u>Central Sulawesi</u></b>  5 community infrastructure in Central Sulawesi were verified by the IMDFF-DR secretariat in the previous quarter. Those are:</p> <p>1) Suspensions bridge in Tuva village - Sigi District.</p> <p>2) Irrigation canal in Tuva village - Sigi District.</p> <p>3) Omu community market in Omu Village - Sigi District.</p> <p>4) Irrigation canal in Jono village - Sigi district.</p> <p>5) Sibado community market in Sibado village – Donggala district.</p>		
<p><b>Activity 2.2</b></p>	<p>Conduct tendering processes for the rehabilitation of prioritized community (economic) infrastructure</p>	<p><b><u>West Nusa Tenggara</u></b>  <b>completed</b></p> <p><b><u>Central Sulawesi</u></b>  The UNDP has issued solicitation of RFP for design and supervision of two community markets - Omu and Sibado markets on 26<sup>th</sup> June to 27<sup>th</sup> July 2020. Following proposal evaluation, it was found that prices offered by potential Contractors are far beyond planned budget. This is quite sensible as the most potential bidders are Java-based and there was no potential bidder qualified from local Central Sulawesi. Having assessed the value-for-</p>		



		money considerations, it was decided to call off the RFP and to determine other modality that will resulted in more efficient cost for the design work.		
<b>Activity 2.3</b>	Civil works/ Construction: Contract management and supervision	<p><b><u>West Nusa Tenggara</u></b></p> <p>During the 4<sup>th</sup> quarter of 2020, the UNDP CSOs partner in West Nusa Tenggara have been completed the construction work process for 8 targeted community infrastructure. Those completed targets are:</p> <ol style="list-style-type: none"> <li>1. Clean water installation Birisan Nangka, Sambik Elen village - North Lombok.</li> <li>2. Village Market Genggelang, Genggelang village – North Lombok.</li> <li>3. Irrigation canal Orong Sempade, Sajang village – East Lombok</li> <li>4. Irrigation canal Bawak Nao Daya, Sajang village - East Lombok</li> <li>5. Farmer’s bridge Belunak, Sembalun Lawang village – East Lombok</li> <li>6. Water retention basin and drainage Rante Mas, Sembalun Lawang village – East Lombok</li> <li>7. Water retention basin and drainage Nap- nap, Sembalun Bumbung village – East Lombok</li> <li>8. Irrigation canal Dayan Rurung Timuk, Sembalun Bumbung village- East Lombok.</li> </ol> <p><b><u>Central Sulawesi</u></b></p> <p>UNDP CSO partner, YKMI has commenced construction work of Suspension bridge in Tuva village – Sigi district on September 27<sup>th</sup>, 2020.</p> <p>At end of Q4 2020, the reconstruction of suspension bridge in Tuva village-Sigi has</p>		

		reached 26,3% in the area of groundwork, and main bridge structural work.		
<b>Activity 2.4</b>	Implementation of small scale, cash-for-work schemes through NGOs/CSOs – debris removal and debris management	<p><b><u>West Nusa Tenggara</u></b></p> <p>In North Lombok, partner’s UNDP, PALUMA have recruited 20 villagers (14 men and 6 women) as workers through Cash for Work (CfW) scheme in the construction work of the commodity kiosk at the local market of Genggelang village. The construction work of Clean water facility Birisan Nangka in Sambik Elen village recruited 34 villagers (31 men and 3 women).</p> <p>In East Lombok, partner’s UNDP, WVI have recruited 23 villagers of Sajang (20 men and 3 women) are participating as construction workers of the irrigational canal of Orong Sempade, Sajang village. The construction work for the water retention basin and drainage of Nap-nap in Sembalun Bumbung village recruited 20 villagers (16 men and 4 women). The construction work for Irrigation canal of Bawak Nao Daya in Sajang village recruited 22 villagers (18 men and 4 women). Farmer’s bridge Belunak, Sembalun Lawang village recruited 14 men villagers, the construction work of water retention basin and drainage of Rante Mas in Sembalun Lawang recruited 23 men villagers. Meanwhile the construction work of Irrigation canal in Dayan Rurung Timuk, Sembalun Bumbung village recruited 16 villagers (14 men and 2 women).</p> <p><b><u>Central Sulawesi</u></b></p> <p>The UNDP CSO partner, YKMI has recruited 44 community members (39 men and 5 women) as CfW workers for construction work of Suspensions Bridge in Tuva village – Sigi. The CfW workers were trained with basic skills on</p>		

		technical aspects related to suspension bridge construction work on 9 <sup>th</sup> September 2020.		
<b>Activity 2.5</b>	Design and piloting of a recycling and sorting facility, with the engagement of local authorities and communities	<b><i>Being assessed on relevance with current situation (revision will be formalized in Project document revision)</i></b> Opportunities on creation of jobs in the context of waste management and recycling will be assessed along the reconstruction of target community markets in Genggelang, NTB; and Omu – Sigi and Sibado – Donggala markets. The assessment will be conducted in close coordination and communication with local government stakeholders.		

## Annex 2

### LIST OF SUBPROJECTS

#### Design and Supervision Consultancy Work of Output 1 Subprojects

No	Design and Supervision Contract ID	Description	Design and Supervision Consultant	Contract Value (IDR)	Contract Value (EUR)	Progress Status			
						Assessment	Concept design	Detail Engineering Design (DED)	Supervision
1	PS/2019/0000000680	Design and supervision of reconstruction of facilities at two hospital (Anutapura and Tora Belo hospital) in Central Sulawesi	PT Arkonin Engineering Manggala Pratama	6,053,000,000	356,058.82	Completed	Completed	Completed	Not yet started
2	PS/2019/0000000654	Design and supervision of 14 subprojects in West Nusa Tenggara: 1 Primary Healthcare Facility (Puskesmas) in East Lombok district; 8 Supporting Healthcare Facilities (Pustu) in North Lombok district and; 4 Vocational High Schools (SMK) in North Lombok district	PT Arkonin Engineering Manggala Pratama JV with PT. Dacrea Design and Engineering Consultants	7,078,554,000	416,385.53	Completed	Completed	Completed	Not yet started
3	PS/2019/0000000812	Design and supervision for Reconstruction of Primary Health Care and 21 Schools in Central Sulawesi: 2 Primary Healthcare Facilities (Puskesmas) - in Sigi and Donggala; 2 Vocational High Schools - in Palu and Sigi and; 19 Primary Education school buildings (12 SD/Elementary and 7 SMP/Junior High) - in Palu, Sigi, Donggala and Parigi Moutong	PT. Yodya Karya (Persero) JV PT. Bumi Harmoni Indoguna and PT. Cakrabuana Consultants	15,162,870,000	891,933.53	Completed	Completed	Completed	Not yet started
4	PS/2019/0000000801	Design and supervision of reconstruction of 2 Landfills in Central Sulawesi: Kawatuna landfill in Palu and Kabonga landfill in Donggala.	PT Arkonin Engineering Manggala Pratama JV with PT. Indokoei International	9,895,350,000	582,079.41	Completed	Completed	Completed	Not yet started

## Subprojects Output 1 - Reconstruction of basic public service infrastructure

No	Sector	Sub Project	Location		Description	Contractor	Subproject Cost (IDR) <sup>10</sup>	Subproject Cost (EUR)	Progress Status		Projection date for Handover
			Province	District					Design	Construction work <sup>11</sup>	
1	Health	Anutapura Hospital: Murai Inpatient Building (Stroke Center) + Corridor, Pharmacy Building and Transformer (with Distribution Panel and Cable Network)	Central Sulawesi	Palu	- Reconstruction of two storage building, consist of Murai inpatient building (ground floor) and Stroke Center (first floor), - Reconstruction of two storage Pharmacy building, and - Restoration of Transformer, distribution panel, power network & installation of the entire hospital area	PT. Dwi Tunggal Suryajaya (AG Construction)	18,209,250,000	1,071,132.35	Completed	In construction (6.206 %)	Q4 2021
2	Health	Tora Belo Hospital: Paediatric / Post Surgery Inpatient Building (Pinus/Ebony) and Maternity Building (Meranti)	Central Sulawesi	Sigi	- Reconstruction of two storage Inpatient building, consist of Pinus room (ground floor), and Ebony room (first floor), complete with Slope way to Ebony room, - Reconstruction of Maternity Building (Meranti room)	PT. Dwi Tunggal Suryajaya (AG Construction)	10,153,000,000	597,235.29	Completed	In construction (3.925 %)	Q4 2021
3	Health	Puskesmas Kulawi	Central Sulawesi	Sigi	Reconstruction of the main building of the Puskesmas (sub-district medical center), including 1 unit of toilets	TBD	3,549,000,000	208,764.71	Completed	Bid evaluation	Q4 2021
4	Health	Puskesmas Malei	Central Sulawesi	Donggala	Reconstruction of the inpatient building, including 1 unit of toilets and perimeter fence	TBD	1,881,000,000	110,647.06	Completed	Bid evaluation	Q4 2021
5	Health	Puskemas Pembantu (Pustu) Tegal Maja Tanjung	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building					Preparatory work on site	Q4 2021
6	Health	Pustu Gangga	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building	PT. Ervan Prima JV with PT. Machara Konstruksitama and PT. Enera Teknika Utama	598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021
7	Health	Pustu Rangso Sigar Pejalin	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building	PT. Ervan Prima JV with PT. Machara Konstruksitama and PT. Enera Teknika Utama	598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021
8	Health	Pustu Telaga Wareng Pemenang	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building	PT. Ervan Prima JV with PT. Machara Konstruksitama and PT. Enera Teknika Utama	598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021

<sup>10</sup> Initial Cost Estimates concluded in Q3 2019, based upon figures stated in the GoI's Rehabilitation and Reconstruction Plans and upon technical assessment conducted by PETRA Engineers.

<sup>11</sup> Status reflecting progress as per December 2020.



No	Sector	Sub Project	Location		Description	Contractor	Subproject Cost (IDR) <sup>10</sup>	Subproject Cost (EUR)	Progress Status		Projection date for Handover
			Province	District					Design	Construction work <sup>11</sup>	
9	Health	Pustu Pendua Kayangan	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building		598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021
10	Health	Pustu Selengen Kayangan	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building		598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021
11	Health	Pustu Sesait Kayangan	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building		598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021
12	Health	Pustu Loloan Bayan	West Nusa Tenggara	Lombok Utara	Reconstruction of Main Building		598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021
13	Health	Puskesmas Labuhan Lombok	West Nusa Tenggara	Lombok Timur	Relocated, Reconstruction of Main Building		598,200,000	35,188.24	Completed	Preparatory work on site	Q4 2021
14	Health	Pustu Gapuk	West Nusa Tenggara	Lombok Barat	Reconstruction of Main Building		4,399,897,480	258,817.50	Completed	Preparatory work on site	Q4 2021
15	-Sanitation (landfill)	Kawatuna Landfill	Central Sulawesi	Palu	Reconstruction of Leachate Treatment Plant, Rehabilitation of Leachate Collection System; Reshaping, capping & closure of cell-2; Construction of Cell-3; Landfill Gas Collection System; Road and Drainage; Perimeter Fence and Buffer Zone; Landfill Office; Mechanical Workshop; and Material Recovery Facility	TBD	580,000,000	34,117.65	Completed	Re-tendering	Q4 2021
16	-Sanitation (landfill)	Kabonga Landfill	Central Sulawesi	Donggala	Rehabilitation of Leachate collection system, Reshaping/capping of existing cell, - Construction of cell-2, Landfill Gas collection system; Road and Drainage; Perimeter Fence and Buffer Zone; Construction of Leachate Treatment Plant; and Material Recovery Facility	TBD	34,551,420,000	2,032,436.47	Completed	Re-tendering	Q4 2021
17	Social - Education (School facilities)	SD Negeri 21 Palu	Central Sulawesi	Palu	Reconstruction of the whole six classrooms, teacher's room/office, Library, - Prayer room, Two units of toilets, and Perimeter fence, with high wall fence on the front	TBD	13,792,500,000	811,323.53	Completed	Bid evaluation	Q4 2021

No	Sector	Sub Project	Location		Description	Contractor	Subproject Cost (IDR) <sup>10</sup>	Subproject Cost (EUR)	Progress Status		Projection date for Handover
			Province	District					Design	Construction work <sup>11</sup>	
18	Social - Education (School facilities)	SD Negeri Pengawu	Central Sulawesi	Palu	Reconstruction of ten classrooms, Prayer room, Three units of toilets, and Perimeter fence around the school.	TBD	3,752,440,000	220,731.76	Completed	Bid evaluation	Q4 2021
19	Social - Education (School facilities)	SMP Negeri 14 Palu	Central Sulawesi	Palu	Reconstruction of sixteen classrooms, Extracurricular room (UKS), Four units of toilets, and Perimeter fence.	TBD	5,546,980,000	326,292.94	Completed	Bid evaluation	Q4 2021
20	Social - Education (School facilities)	SD Inpres Jono Oge	Central Sulawesi	Sigi	- Reconstruction of twelve classrooms, - Teacher's room / office, - Library, - Prayer room, - Three units of teacher's house, - Three units of toilets, and - Perimeter fence.	TBD	9,229,680,000	542,922.35	Completed	Bid evaluation	Q4 2021
21	Social - Education (School facilities)	SD Negeri Bulupontu Jaya	Central Sulawesi	Sigi	- Reconstruction of three classrooms, - Teacher's room / office, - Library, - Three units of teacher's house, - Two units of toilets, and - Perimeter fence.	TBD	7,004,880,000	412,051.76	Completed	Bid evaluation	Q4 2021
22	Social - Education (School facilities)	SD Negeri Lompio	Central Sulawesi	Sigi	- Reconstruction of six classrooms, - Teacher's room / office, - Library, - Two units of teacher's house, - Two units of toilets, and - Perimeter fence.	TBD	3,055,400,000	179,729.41	Completed	Bid evaluation	Q4 2021
23	Social - Education (School facilities)	SD Negeri 1 Boladangko	Central Sulawesi	Sigi	- Reconstruction of six classrooms, - Teacher's room / office, - Library, - One unit of teacher's house, - One unit of toilets, and - Perimeter fence.	TBD	3,874,720,000	227,924.71	Completed	Bid evaluation	Q4 2021
24	Social - Education (School facilities)	SD Negeri 2 Gimpu	Central Sulawesi	Sigi	- Reconstruction of six classrooms, - Teacher's room / office, - Library, - One unit of teacher's house, and - One unit of toilets	TBD	3,119,560,000	183,503.53	Completed	Bid evaluation	Q4 2021

No	Sector	Sub Project	Location		Description	Contractor	Subproject Cost (IDR) <sup>10</sup>	Subproject Cost (EUR)	Progress Status		Projection date for Handover
			Province	District					Design	Construction work <sup>11</sup>	
25	Social - Education (School facilities)	SMP Negeri 3 Sigi	Central Sulawesi	Sigi	- Reconstruction of thirteen classrooms, - Library, - Science laboratory, - Prayer room, - Two units of toilets, and - Perimeter fence	TBD	2,990,560,000	175,915.29	Completed	Bid evaluation	Q4 2021
26	Social - Education (School facilities)	SMP Negeri 3 Sirenja	Central Sulawesi	Donggala	- Reconstruction of six classrooms, - Teacher's room/office, - Library, - One unit of toilets, and - Perimeter fence	TBD	8,557,320,000	503,371.76	Completed	Bid evaluation	Q4 2021
27	Social - Education (School facilities)	SMP Negeri 1 Labuan	Central Sulawesi	Donggala	Reconstruction of three classrooms	TBD	3,219,120,000	189,360.00	Completed	Bid evaluation	Q4 2021
28	Social - Education (School facilities)	SMP Negeri Satap 3 Sindue Tobata	Central Sulawesi	Donggala	- Reconstruction of six classrooms, - Teacher's room/office, - Science laboratory, - Two units of toilets, and - Perimeter fence	TBD	1,826,380,000	107,434.12	Completed	Bid evaluation	Q4 2021
29	Social - Education (School facilities)	SD Negeri 3 Kasimbar	Central Sulawesi	Parigi Moutong	- Reconstruction of six classrooms, - Teacher's room/office, and - One unit of toilets	TBD	6,114,840,000	359,696.47	Completed	Bid evaluation	Q4 2021
30	Social - Education (School facilities)	SD Inpres Marantale	Central Sulawesi	Parigi Moutong	- Reconstruction of three classrooms, - Teacher's room/office, and - One unit of toilets	TBD	1,984,520,000	116,736.47	Completed	Bid evaluation	Q4 2021
31	Social - Education (School facilities)	SD Negeri Toboli	Central Sulawesi	Parigi Moutong	- Reconstruction of three classrooms, - Teacher's room/office, and - One unit of toilets	TBD	1,637,540,000	96,325.88	Completed	Bid evaluation	Q4 2021
32	Social - Education (School facilities)	SD Negeri Parigimpuu	Central Sulawesi	Parigi Moutong	- Reconstruction of two classrooms, - One unit of toilets	TBD	1,625,040,000	95,590.59	Completed	Bid evaluation	Q4 2021

No	Sector	Sub Project	Location		Description	Contractor	Subproject Cost (IDR) <sup>10</sup>	Subproject Cost (EUR)	Progress Status		Projection date for Handover
			Province	District					Design	Construction work <sup>11</sup>	
33	Social - Education (School facilities)	SD Negeri Purwosari	Central Sulawesi	Parigi Moutong	- Reconstruction of seven classrooms, - Teacher's room/office, and - Two units of toilets	TBD	862,920,000	50,760.00	Completed	Bid evaluation	Q4 2021
34	Social - Education (School facilities)	SMP Negeri 2 Satap Parigi Selatan	Central Sulawesi	Parigi Moutong	- Reconstruction of Extra-curricular room, - Library, and - One unit of toilets	TBD	3,348,380,000	196,963.53	Completed	Bid evaluation	Q4 2021
35	Social - Education (School facilities)	SMP Negeri 1 Parigi Utara	Central Sulawesi	Parigi Moutong	- Reconstruction of eight classrooms, - Library, - Science laboratory, and - Two units of toilets	TBD	803,840,000	47,284.71	Completed	Bid evaluation	Q4 2021
36	Social - Education (School facilities)	SMK Negeri 8 Palu	Central Sulawesi	Palu	- Reconstruction of 12 classrooms, - Teacher's room/office, - Prayer room, and - Two units of toilets	TBD	5,480,460,000	322,380.00	Completed	Bid evaluation	Q4 2021
37	Social - Education (School facilities)	SMK Negeri I Sigi	Central Sulawesi	Sigi	- Reconstruction of 28 classrooms, - The main Hall, - Practice room, - Mechanical workshop, - Warehouse, - Science laboratory, - Library, - Computer laboratory, - Languages laboratory, - Network laboratory, - Prayer room, - Six units of Toilets, - Corridor on each room, and - Perimeter Fence	TBD	8,029,320,000	472,312.94	Completed	Bid evaluation	Q4 2021

No	Sector	Sub Project	Location		Description	Contractor	Subproject Cost (IDR) <sup>10</sup>	Subproject Cost (EUR)	Progress Status		Projection date for Handover
			Province	District					Design	Construction work <sup>11</sup>	
38	Social - Education (School facilities)	SMKN 1 Pemenang	West Nusa Tenggara	Lombok Utara	Reconstruction of: - 2 classrooms - 2 Laboratory - 1 Library - 4 Student Practice Room - 1 Administration Office - 1 Prayer room - Perimeter fence	PT. Ervan Prima Prima JV with PT. Machara Konstruksitama and PT. Enera Teknika Utama	13,055,859,900	767,991.76	Completed	Preparatory work on site	Q4 2021
39	Social - Education (School facilities)	SMKN 1 Tanjung	West Nusa Tenggara	Lombok Utara	Reconstruction of: - 3 classrooms - 1 Headmaster office - 2 Laboratory - 5 Student Practice Room - 1 Library - 1 storage room - Perimeter fence		20,742,457,400	1,220,144.55	Completed	Preparatory work on site	Q4 2021
40	Social - Education (School facilities)	SMKN 1 Gangga	West Nusa Tenggara	Lombok Utara	Reconstruction of: - 1 classrooms - 1 Administration office - 3 Student Practice Room - Perimeter fence		9,378,278,100	551,663.42	Completed	Preparatory work on site	Q4 2021
41	Social - Education (School facilities)	SMKN 1 Kayangan	West Nusa Tenggara	Lombok Utara	Reconstruction of: - 2 classrooms - 1 Student Practice Room - 1 Laboratory - 1 Teacher Toilet - 1 Praying room - Perimeter fence		5,009,591,000	294,681.82	Completed	Preparatory work on site	Q4 2021



### Low Value Grants<sup>12</sup> to selected CSOs for Output 2 subprojects

No	Low Value Grant Agreement (LVGA) ID	Description	CSO	Agreement Value (IDR)*	Agreement Value (EUR)
1	002/X/2019/PETRA	Responsible for: the reconstruction of infrastructure and community based sustainable livelihood project model; Strengthening disaster risk reduction and recovery local initiatives; Capacity building and community empowerment for sustainable and resilient livelihood recovery; and reconstruction of Economic and Livelihood Village infrastructure in Lombok Utara- West Nusa Tenggara province.	Perkumpulan Paluma Nusantara (Paluma)	2,024,750,000	119,102.94
2	001/X/UNDP/PETRA	Responsible for: the reconstruction of infrastructure and community based sustainable livelihood project model; Strengthening disaster risk reduction and recovery local initiatives; Capacity building and community empowerment for sustainable and resilient livelihood recovery; and reconstruction of Economic and Livelihood Village infrastructure in Lombok Timur- West Nusa Tenggara province.	Wahana Visi Indonesia (WVI)	2,099,986,000	123,528.59
3	003/X/2019/PETRA	Responsible for: the reconstruction of infrastructure and community based sustainable livelihood project model; strengthening DRR and Recovery local initiatives; capacity building and community empowerment for sustainable and resilient livelihood recovery; and reconstruction of Economic and Livelihood Village infrastructure in Tuva village of Sigi- Central Sulawesi province	Yayasan Kemanusiaan Muslim Indonesia (YKMI)	2,080,252,600	122,367.80

<sup>12</sup> UNDP's Definition of Low Value Grants: LVG are cash awards – selected via programmatic decisions – to civil society and non-governmental partners to generate and solicit development solutions for which no repayment is typically required.

## Subprojects Output 2 - Rehabilitation/ Reconstruction of community infrastructure supporting livelihood and economic recovery

No	Sector	Sub Project	Location			Description	Implementor	Subproject Cost (IDR) <sup>13</sup>	Subproject Cost (EUR)	Progress Status <sup>14</sup>		Projection date for handover
			Province	District	Village					Design	Construction work	
1	Socio economic	Tuva Suspensions Bridge	Central Sulawesi	Sigi	Tuva	1 unit of suspensions bridge, W=1.8 m; L=74 m; main access to 200 Ha farm fields of Tuva people.	Yayasan Kemanusiaan Muslim Indonesia (YKMI)	1,491,639,800	87,743.52	Completed	Started in 17 <sup>th</sup> Sept 2020 – <i>Abutment work</i>	December 2020
2	Socio economic	Tuva Irrigation canal	Central Sulawesi	Sigi	Tuva	100 meters of concrete canal for 5 ha farm fields	TBD	1,000,000,000	58,823.53	Preparation of RFP	Not yet started	Tbd
3	Socio economic	Jono Irrigation Canal	Central Sulawesi	Sigi	Jono	Reconstruction of 250-meter concrete canal	TBD	1,500,000,000	88,235.33	Preparation of RFP	Not yet started	Tbd
4	Socio economic	Omu Local Market	Central Sulawesi	Sigi	Omu	Reconstruction of 3-unit local market hall, approx. 550 sqm.	TBD	2,049,200,000	120,541.18	Re-tendering Design Consultant Services	Not yet started	Tbd
5	Socio economic	Sibado Local Market	Central Sulawesi	Donggala	Sibado	Reconstruction of 2-unit local market hall, approx. 415 sqm.	TBD	1,570,850,000	92,402.94	Re-tendering Design Consultant Services	Not yet started	Tbd
6	Socio economic	Waserda Ganggalang local market	West Nusa Tenggara	Lombok Utara	Ganggalang	Reconstruction of 1 block of community kiosks, approx. 144 sqm. Reconstruction of 1 block of commodity kiosks, 19 x 6 m	Paluma Nusantara	455,000,000	26,764.71	Completed	Started in 30 <sup>th</sup> July 2020 – completed on the end of December 2020	January 2021
7	Socio economic	Clean water distribution reinstallation Birisan Nangka	West Nusa Tenggara	Lombok Utara	Sambik Elen	Reinstallation of approx. 2000 m of clean water pipe	Paluma Nusantara	305,400,000	17,964.71	Completed	Started in 21 <sup>st</sup> August 2020 - completed on the end of December 2020	January 2021
8	Socio economic	Irrigation canal Orong Sempade	West Nusa Tenggara	Lombok Timur	Sajang	Reconstruction of 150-meter stone masonry irrigation canal for 25 ha farm fields	Wahana Visi Indonesia (WVI)	110,378,000	6,492.82	Completed	Started in 15 <sup>th</sup> Sept 2020 - completed on the end of December 2020	January 2021

<sup>13</sup> Cost estimates produced by Engineers of both PETRA and its CSO Partners.

<sup>14</sup> Status reflecting progress as per September 2020.

No	Sector	Sub Project	Location			Description	Implementor	Subproject Cost (IDR) <sup>13</sup>	Subproject Cost (EUR)	Progress Status <sup>14</sup>		Projection date for handover
			Province	District	Village					Design	Construction work	
9	Socio economic	Irrigation canal Bawak Nao Daya	West Nusa Tenggara	Lombok Timur	Sajang	Reconstruction of 225-meter stone masonry irrigation canal for 28 Ha of farm fields	Wahana Visi Indonesia (WVI)	132,170,000	7,774.71	Completed	Started in 23 <sup>th</sup> November 2020 - completed on the end of December 2020	January 2021
10	Socio economic	Farmer's bridge Belunak	West Nusa Tenggara	Lombok Timur	Semalun Lawang	Reconstruction of 4 x 3 m concrete bridge	Wahana Visi Indonesia (WVI)	88,090,000	5,181.76	Completed	Started in 25 <sup>th</sup> November 2020 - completed on the end of December 2020	January 2021
11	Socio economic	Water retention basin and drainage Rante Mas	West Nusa Tenggara	Lombok Timur	Semalun Lawang	Rehabilitation of 8 x 12,5 m water retention and irrigation pipe 429 meter for 23 Ha of farm fields	Wahana Visi Indonesia (WVI)	133,320,000	7,842.35	Completed	Started in 24 <sup>th</sup> November 2020 - completed on the end of December 2020	January 2021
12	Socio economic	Water retention basin and drainage Nap-nap	West Nusa Tenggara	Lombok Timur	Semalun Bumbung	Rehabilitation of 11 x 11 meter water retention and irrigation pipe 300 meter for 30 Ha of farm fields	Wahana Visi Indonesia (WVI)	66,420,000	3,907.05	Completed	Started in 18 <sup>th</sup> November 2020 - completed on the end of December 2020	January 2021
13	Socio economic	Irrigation canal Dayan Ruruk Timuk	West Nusa Tenggara	Lombok Timur	Semalun Bumbung	Reconstruction of 810 meters pipe irrigation canal and concrete reservoir 7 units for 60 Ha farm fields	Wahana Visi Indonesia (WVI)	107,580,000	6,328.23	Completed	Started in 1 <sup>st</sup> December 2020 - completed on the end of December 2020	January 2021

**Annex 3  
RISK ANALYSIS**

<b>Project Title:</b> Sulawesi/Lombok Programme for Earthquake and Tsunami Infrastructure Reconstruction Assistance	<b>Award ID:</b> 00116311	<b>Date:</b> 30 Sept 2020
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#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
1	Potential environmental risks, especially with the waste management aspects of the project.	18/ 12/ 2018	Environmental	<p>Damage to the environment for example the aquifer if the leachate from the waste management facility was not treated appropriately.</p> <p>P = 2 L = 2</p>	<p>Environmental and Social Management Framework to identify and plan for potential risks. Each subproject will have its own environmental and social risk management plan.</p> <p>ESMF integrated into RFPs/ ITBs of design, construction, and supervision.</p> <p>Collaboration with Geological Agency has included Kawatuna and Kabonga landfills as part of geological test and investigation.</p> <p>Environmental and Social Management Plan produced for West Nusa Tenggara and Central Sulawesi subprojects and incorporated in construction tender document.</p>	Project Manager	Project Manager	30/ 09/ 2020	<p>Reducing</p> <p>Detail survey and investigation conducted by National Geological Agency and Design Consultants has resulted in clearer views of environmental risks related to waste generated by each subproject. Detail checklist and monitoring tasks are incorporated in Environmental and Social Management Plan for each subproject.</p>

#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
2	Occupational health and safety due to physical, chemical, biological, and radiological hazards during Project construction, operation, or decommissioning?	18/ 12/ 2018	Environmental	Contaminants during demolition, construction  P = 2 I = 2	Environmental and Social Management Framework to identify and plan for potential risks. Each subproject will have its own environmental and social risk management plan.  ESMF integrated into RFPs/ ITBs of design, construction, and supervision.  Identified chemical hazard from building materials in the Project sites in Lombok, i.e. asbestos, had been taken up into detail discussion in order to plan for safe site clearance prior to construction. UNDP has engaged a Technical Advisor on Asbestos to conduct site assessment, develop guidelines for safe disposal of asbestos, and monitor the processes on safe disposal of asbestos.  Adopting GoI standard policy on COVID-19 Preventive Measures in Construction Work.	Project Manager	Project Manager	30/ 09/ 2020	Reducing  COVID-19 pandemic may still likely affect the construction work, and health risks may prolong. However, PETRA and project partners are now fully aware of these risks and putting in place extra safety and health protocols for day-to-day coordination and subproject site activities.

#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
3	National and sub-national stakeholders do not support PETRA's objectives and are not willing to cooperate.	18/ 12/ 2018	Political	Project would not be able to identify and restore damaged infrastructure .  P = 1 I = 1	Maintain active consultation with the government at all stages of the programme. seek approval from government on the proposed infrastructure .  Develop a consultation and monitoring framework with Government stakeholder for the design and construction work of infrastructure sub-projects	RRU Team Leader  Project Manager	Project Manager	30/ 03/ 2020	Completed  Following the signing of PETRA Prodoc in May, series of consultation and coordination meetings at national and local levels have resulted in positive responses and acceptance towards the Project and investment plan.
4	Qualified construction companies are not (a) available in the market, (b) interested to engage in the implementation of the various components of the civil work/ contracts, and willing to take part in competitive selection process, and (c) are able to provide the required design, construction and supervision services as per required standards, including the required social, environmental and safety standards.	18/ 12/ 2018	Operational	Poorly constructed infrastructure will place communities at risk  Construction Tender process will yield in minimum participation of potential bidders  P = 1 I = 2	Asking potential companies to submit EOI.  Ensure tenders are widely advertised.  Prepare detailed RFQs/ ITBs  RFQs/ ITBs are packaged in accordance with Gol's standard classification of construction companies' financial capacity.	Project Manager	Project Manager	30/ 09/ 2020	Reducing  Re-strategizing tender process by optimizing the use of virtual communication technology platform has resulted in adequate participation of potential bidders, despite that it costs longer timeframe for completion certain milestones.

#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
					<p>Re-strategizing construction tender subprocess</p> <p>Adopting GoI standard policy on COVID-19 Preventive Measures in Construction Work.</p>				
5	Eligible CSOs/NGOs are not able to mobilize communities to support project implementation, including the rehabilitation of community economic infrastructure, and are willing to receive and adhere to UNDP's advice with regards to required social, environmental and safety standards.	18/ 12/ 2018	Operational	<p>NGOs are not able to engage with the community, or do not have appropriate experience.</p> <p>Inability of implementing community-based work due to COVID-19 pandemic.</p> <p>P = 2 I = 2</p>	<p>Select local NGOs that already have community networks in Palu and Lombok.</p> <p>Establish, review and update NGO/ CSO roster.</p> <p>Maintain relationship with NGO previously worked with UNDP through informal discussion and learning forum.</p> <p>Keep abreast of activities and/or event managed by potential NGOs/ CSOs, to indirectly monitor their capacities and performance.</p> <p>Adopting GoI standard policies on COVID-19 Preventive Measures in Construction Work issued by MOPW, and similar COVID-19</p>	Project Manager	Project Manager	30/ 09/ 2020	Reducing COVID-19 prevention protocol is in place and practiced by PETRA Project partners.

#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
					preventive measures policy in conducting Village-based Cash for Work issued by MoV by end of March.				
6	Local communities will not engage with the project and develop a sense of ownership for project results, including rehabilitated/reconstructed local community infrastructure.	18/12/2018	Operational	Community infrastructure not operated or maintained  P = 2 I = 1	Community mobilizer involves communities at all stages of the project cycle.  Engagement with communities and local government started before assignment of Implementing Partners to sense on their acceptance towards the Project's scope of intervention.	Project Manager	Project Manager	30/03/2020	No change  Results and experiences from series of consultations with target communities and local government have been positive, which increase the likelihood of community's engagement towards project results.  Current implementation progress shown positive response from target communities, which indicate good sense of ownership.
7	COVID-19 pandemic and consequently the social distancing may likely slowing the project implementation progress.	16/03/2020	Operational	Health risk to project personnel, beneficiaries and other involved stakeholders  P = 2 I = 2	Set up protocol for safety, especially activities that required physical contact.  Optimizing utilization of online technology platform as media for coordination and communication.  Revisiting workplan and target.	Project Manager	Project Manager	30/09/2020	No change  COVID-19 pandemic may still likely affect the construction work, and health risks may prolong. However, PETRA and project partners are now fully aware of these risks and putting in place extra safety and health protocols for day-to-day coordination and subproject site activities.



#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
					Re-strategizing activities monitoring and supervision by optimizing the visual documentation.				
8	Natural hazards, i.e. heavy rain, strong winds, and flashfloods may likely impact on access and sites' condition, which consequently may slow the pace of activities implementation.	09/08/2020	Environmental	Construction site damages; delayed completion of milestones.  P = 3 I = 3	Closely monitor meteorological data and trends jointly with implementing partners and discussed relevant anticipative measures.  Construct scenarios and possible project activities implementation approaches and strategies.	Project Manager	Project Manager	30 / 09 / 2020	No change yet – newly identified and registered
9	General elections activities in the Project's target provinces and municipality/district may possibly put the project into an 'elite capture' situation.	31/07/2020	Political/ Reputational	PETRA Project is associated with any of incumbents who were actively involved in project planning.  P = 2 I = 3	Maintain neutrality in communication and coordination, including individual interactions; regularly update key stakeholders on implementation progress through written materials that widely distributed.	Project Manager	Project Manager	30 / 09 / 2020	No change yet – newly identified and registered
10	General elections may result in new leadership, which may also mean new structure of local government, and consequently may reduce or loosen the	31/07/2020	Political	Challenges in maintain commitment towards fulfillment of the 8 criteria agreed during identification and	Maintain regular updates and coordination at technical/ operational level of respective Local Government Units.	Project Manager	Project Manager	30 / 09 / 2020	No change yet – newly identified and registered

#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
	institutional memory towards the Project			prioritization of Project's targets  P = 2 I = 3	Closely communicate with key individuals within the LGUs who regarded as ones championing the project.				

Annex 4

MULTI YEAR WORK PLAN

PROJECT COMPONENT	PLANNED ACTIVITIES	TIME SCHEDULE															
		2019				2020				2021				2022			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
OUTPUT 1	1.1. Provide support to the finalization/updating of the Multi-Hazard Risk Assessment and Mapping for Central Sulawesi and Lombok																
		<i>Extended, Completed</i>															
	1.2. Complete a detailed annual investment plan for local recovery, in close consultation with relevant national and local authorities and local communities																
		<i>Completed</i>															
	1.3. Conduct tendering processes for (a) Civil works design and supervision (stage one) and (b) Construction (stage two) – using 'Build Back' Better principles																
		<i>Completed for (a), Ongoing for (b)</i>															
		ES								LF							
1.4. Civil works/ Construction: Contract management and supervision																	
									LS								
	<i>Defects and Liability Period</i>																
1.5. Provision of equipment to accelerate the restoration and enhancement of critical public services, in close coordination with national and local authorities																	
	<i>Partly Completed, Continuous</i>																
	ES																
1.6. Provision of formal and on-the-job training to relevant sub-national authorities and community organizations																	
MONITORING																	
OUTPUT 2	2.1. Facilitate community-led processes for the identification and prioritization of critical local economic assets (infrastructure) to be recovered																
		<i>Partly Completed</i>															

PROJECT COMPONENT	PLANNED ACTIVITIES	TIME SCHEDULE															
		2019				2020				2021				2022			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	2.2. Conduct tendering processes for the rehabilitation of prioritized community (economic) infrastructure			Partly Completed (CSOs), Ongoing (Civil Works)													
	2.3. Civil works/Construction: Contract management and supervision							LS									
	2.4. Implementation of small scale, cash-for-work schemes through NGOs/CSOs – debris removal and debris management							LS									
	2.5. Design and piloting of a recycling and sorting facility, with the engagement of local authorities and communities																
	MONITORING																
CROSS-CUTTING	3.1. Set up of Project Management Unit		LF														
	3.2. Project Advisory Committee: Scheduled Meetings	*		*		*		*		*		*					
	3.3. Project audits				**				**				**				
	3.4. Evaluation and Final Project Report/ Completion Report																

NOTE:

- \* Scheduled as two-hour meetings
- \*\* Tentative schedule. The actual frequency and timing of Project audits will be determined by UNDP's Office of Audit and Investigations (OAI).
- ES Early Start (actual)
- LS Late Start (actual)
- LF Late Finish (forecast)
- Initial Planned Timeline
- Updated Planned Timeline
- Actual Timeline



## Annex 5

### List of online publication in October-December 2020

No.	Title	Location	Date	Type of Publication	Media	Link
1.	NORMAL BARU, KAWASAN TIU PITUQ KEMBALI DIBUKA	PETRA West Nusa Tenggara	27-Des-20	Social Media	YouTube Indosiar Mataram	<a href="https://www.youtube.com/watch?v=ONDg-vftMio&amp;feature=youtu.be">https://www.youtube.com/watch?v=ONDg-vftMio&amp;feature=youtu.be</a>
2.	Pembukaan Desa Wisata Genggeling Diramaikan Festival Sangah Kopi	PETRA West Nusa Tenggara	27-Des-20	Social Media	Suara Bumigora	<a href="https://www.suarabumigora.com/2020/12/pembukaan-desa-wisata-genggeling.html">https://www.suarabumigora.com/2020/12/pembukaan-desa-wisata-genggeling.html</a>
3.	Bupati KLU Resmikan Desa Wisata Genggeling	PETRA West Nusa Tenggara	27-Des-20	Social Media	Duta Selaparang	<a href="https://dutaselaparang.com/bupati-klu-resmikan-desa-wisata-genggeling/">https://dutaselaparang.com/bupati-klu-resmikan-desa-wisata-genggeling/</a>
4.	Bupati Lombok Utara Yakin Genggeling Bisa Jadi Salah Satu Desa Wisata Andalan Nasional	PETRA West Nusa Tenggara	27-Des-20	Social Media	Berita Kajang	<a href="https://beritakajang.com/2020/12/27/bupati-lombok-utara-yakin-genggeling-bisa-jadi-salah-satu-desa-wisata-andalan-nasional/">https://beritakajang.com/2020/12/27/bupati-lombok-utara-yakin-genggeling-bisa-jadi-salah-satu-desa-wisata-andalan-nasional/</a>
5.	Bupati Lombok Utara Resmikan Pembukaan Desa Wisata Genggeling	PETRA West Nusa Tenggara	27-Des-20	Social Media	Utara Post	<a href="https://utarapost.net/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggeling/">https://utarapost.net/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggeling/</a>
6.	Wisata Desa Genggeling, Mulai dari Air Terjun hingga Festival Budaya	PETRA West Nusa Tenggara	27-Des-20	Social Media	Buka Dikit	<a href="https://bukadikit.co/wisata-desa-genggeling-mulai-dari-air-terjun-hingga-festival-budaya/">https://bukadikit.co/wisata-desa-genggeling-mulai-dari-air-terjun-hingga-festival-budaya/</a>
7.	Bupati Lombok Utara Resmikan Pembukaan Desa Wisata Genggeling	PETRA West Nusa Tenggara	27-Des-20	Social Media	LombokJournal	<a href="http://lombokjournal.com/2020/12/27/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggeling/">http://lombokjournal.com/2020/12/27/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggeling/</a>

No.	Title	Location	Date	Type of Publication	Media	Link
8.	Bupati Lombok Utara Resmikan Pembukaan Desa Wisata Genggelang	PETRA West Nusa Tenggara	27-Des-20	Social Media	Grafikanews	<a href="https://grafikanews.com/berita-bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang.html">https://grafikanews.com/berita-bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang.html</a>
9.	DESA WISATA GENGCELANG DI RESMIKAN BUPATI	PETRA West Nusa Tenggara	27-Des-20	Social Media	Ditaswara	<a href="https://ditaswara.com/desa-wisata-genggelang-di-resmikan-bupati/">https://ditaswara.com/desa-wisata-genggelang-di-resmikan-bupati/</a>
10.	Bupati Lombok Utara Resmikan Pembukaan Desa Wisata Genggelang	PETRA West Nusa Tenggara	27-Des-20	Social Media	Flash Lombok	<a href="http://www.flashlombok.com/2020/12/27/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang/">http://www.flashlombok.com/2020/12/27/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang/</a>
11.	Desa Genggelang Tawarkan Ragam Wisata Eksotis bagi Pengunjung	PETRA West Nusa Tenggara	27-Des-20	Social Media	Lombok Kita	<a href="http://lombokita.com/desa-genggelang-tawarkan-ragam-wisata-eksotis-bagi-pengunjung/">http://lombokita.com/desa-genggelang-tawarkan-ragam-wisata-eksotis-bagi-pengunjung/</a>
12.	Bupati Lombok Utara Resmikan Pembukaan Desa Wisata Genggelang	PETRA West Nusa Tenggara	27-Des-20	Social Media	Suluh NTB	<a href="https://suluhntb.com/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang/">https://suluhntb.com/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang/</a>
13.	Bupati Lombok Utara Resmikan Pembukaan Desa Wisata Genggelang	PETRA West Nusa Tenggara	27-Des-20	Social Media	Sindonews	<a href="https://daerah.sindonews.com/read/28190/0/174/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang-1609071129">https://daerah.sindonews.com/read/28190/0/174/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang-1609071129</a>
14.	Bupati Lombok Utara Resmikan Pembukaan Desa Wisata Genggelang	PETRA West Nusa Tenggara	26 Des 2020	Social Media	RRI	<a href="https://rri.co.id/mataram/daerah/952137/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang?utm_source=whatsapp&amp;utm_medium=external_link&amp;utm_campaign=General%20Campaign">https://rri.co.id/mataram/daerah/952137/bupati-lombok-utara-resmikan-pembukaan-desa-wisata-genggelang?utm_source=whatsapp&amp;utm_medium=external_link&amp;utm_campaign=General%20Campaign</a>
15.	Women have helped rebuild Lombok's Orong Sempada irrigation channel, supported by @KfW_int funded #PETRA project. CSO @WahanaVisi_ID has ensured awareness of #WomensRights and #GBV.	PETRA West Nusa Tenggara	01-Des-20	Social Media	Twitter	<a href="https://twitter.com/UNDPIndonesia/status/1333705208535281664?s=08">https://twitter.com/UNDPIndonesia/status/1333705208535281664?s=08</a>

No.	Title	Location	Date	Type of Publication	Media	Link
16.	PETRA's CSO partners have been mindful about possible situations that women may encounter that are considered violations of their rights. They have provided examples of <a href="#">#GBV</a> that could occur both at work and in the domestic sphere. <a href="#">#16Days</a>	PETRA Project	30-Nov-20	Social Media	Twitter	<a href="https://twitter.com/UNDPIndonesia/status/1333228412228444160?s=08">https://twitter.com/UNDPIndonesia/status/1333228412228444160?s=08</a>
17.	UNDP's <a href="#">@KfW_int</a> funded <a href="#">#PETRA</a> project's CSO partners are mindful of situations where <a href="#">#WomensRights</a> could be violated. They have provided examples of <a href="#">#GBV</a> that may occur at work and at home.	PETRA Project	30-Nov-20	Social Media	Twitter	<a href="https://twitter.com/UNDPIndonesia/status/1333352408328540161?s=08">https://twitter.com/UNDPIndonesia/status/1333352408328540161?s=08</a>
18.	PETRA's CSO partners have been mindful about possible situations that women may encounter that are considered violations of their rights. They have provided examples of <a href="#">#GBV</a> that could occur both at work and in the domestic sphere.	PETRA Project	30-Nov-20	Social Media	Twitter	<a href="https://www.instagram.com/p/CINdiBnMg_2/?igshid=9qivh4tz8lw5">https://www.instagram.com/p/CINdiBnMg_2/?igshid=9qivh4tz8lw5</a>
19.	UNDP's PETRA Project Encourages Women in Construction Work	PETRA Project	30-Nov-20	News Article	UNDP Indonesia	<a href="https://www.id.undp.org/content/indonesia/en/home/presscenter/articles/2020/PETRA-16DAYS-2020.html">https://www.id.undp.org/content/indonesia/en/home/presscenter/articles/2020/PETRA-16DAYS-2020.html</a>
20.	UNDP's PETRA Project Encourages Women in Construction Work	PETRA Project	30-Nov-20	News Article	Newsbreak	<a href="https://www.newsbreak.com/news/2114213803149/undps-petra-project-encourages-women-in-construction-work">https://www.newsbreak.com/news/2114213803149/undps-petra-project-encourages-women-in-construction-work</a>
21.	Apresiasi Program PETRA dan UNDP di NTB, Wagub Harapkan Berkualitas	PETRA Project	12-Nov-20	News Article	Lombok Insider	<a href="https://lombokinsider.com/industry-news/apresiasi-program-petra-dan-undp-di-ntb-wagub-harapkan-berkualitas/">https://lombokinsider.com/industry-news/apresiasi-program-petra-dan-undp-di-ntb-wagub-harapkan-berkualitas/</a>
22.	Wagub Apresiasi Program PETRA dan UNDP di NTB	PETRA Project	12-Nov-20	News Article	Segranakpost	<a href="https://www.segranakpost.com/2020/11/wagub-apresiasi-program-petra-dan-undp.html">https://www.segranakpost.com/2020/11/wagub-apresiasi-program-petra-dan-undp.html</a>
23.	Wagub Apresiasi Program PETRA dan UNDP di NTB	PETRA Project	13-Nov-20	News Article	Lombok TV News	<a href="https://lomboktvnews.com/wagub-apresiasi-program-petra-dan-undp-di-ntb/">https://lomboktvnews.com/wagub-apresiasi-program-petra-dan-undp-di-ntb/</a>



No.	Title	Location	Date	Type of Publication	Media	Link
24.	Wagub Apresiasi Program PETRA dan UNDP di NTB	PETRA Project	12-Nov-20	News Article	Tajuk Lombok	<a href="https://tajuklombok.com/berita/detail/wagub-apresiasi-program-petra-dan-undp-di-ntb">https://tajuklombok.com/berita/detail/wagub-apresiasi-program-petra-dan-undp-di-ntb</a>
25.	Wagub Apresiasi Program PETRA dan UNDP di NTB	PETRA Project	12-Nov-20	News Article	Harian Nusa	<a href="https://hariannusa.com/2020/11/12/wagub-apresiasi-program-petra-dan-undp-di-ntb/">https://hariannusa.com/2020/11/12/wagub-apresiasi-program-petra-dan-undp-di-ntb/</a>
26.	Wagub Apresiasi Program PETRA dan UNDP di NTB	PETRA Project	12-Nov-20	News Article	MataramNews	<a href="https://mataramnews.co.id/24900/wagub-apresiasi-program-petra-dan-undp-di-ntb/">https://mataramnews.co.id/24900/wagub-apresiasi-program-petra-dan-undp-di-ntb/</a>
27.	Wagub Apresiasi Program PETRA dan UNDP di NTB	PETRA Project	12-Nov-20	News Article	PPID Biro Humas Provinsi NTB	<a href="https://ppid.birohumasprotokol.ntbprov.go.id/wagub-apresiasi-program-petra-dan-undp-di-ntb/">https://ppid.birohumasprotokol.ntbprov.go.id/wagub-apresiasi-program-petra-dan-undp-di-ntb/</a>
28.	Wagub Apresiasi Program PETRA dan UNDP di NTB	PETRA Project	12-Nov-20	News Article	Biro Humas Provinsi NTB	<a href="https://birohumasprotokol.ntbprov.go.id/wagub-apresiasi-program-petra-dan-undp-di-ntb/">https://birohumasprotokol.ntbprov.go.id/wagub-apresiasi-program-petra-dan-undp-di-ntb/</a>
29.	International Day for <a href="#">#Disaster</a> Risk Reduction. Today we feature our <a href="#">#kfw</a> supported <a href="#">#PETRA</a> project's work. Indonesia was hit by two earthquakes in 2018, in West Nusa Tenggara and Central Sulawesi. Over the past two years, UNDP's <a href="#">#kfw</a> supported <a href="#">#PETRA</a> project has been working with partners on the ground in both locations helping affected communities rebuild their lives. We take a look at the developments since 2018 as we help the region <a href="#">#BuildBackBetter @kfw.stories</a>	PETRA Project	13-Oct-20	Social Media	Instagram	<a href="https://www.instagram.com/tv/CGR6EvoHWzA/?igshid=1lo6gpip1inzk">https://www.instagram.com/tv/CGR6EvoHWzA/?igshid=1lo6gpip1inzk</a>

**Annex 6**  
**QUARTERLY DISBURSEMENT 2020\***  
*figures in EURO*

Outputs	Activities	Fund Source	Budget (EURO)	Disbursement	Balance
				Q4 2020	
<b>Output 1:</b> Repair and reconstruction of partially and fully damaged infrastructure for the restoration of critical public service	1.1. Consultancies and technical advisory services	KfW	113,750.00	124,672.26	(10,922.26)
	1.2 Civil works: Design, Construction and Technical Supervision	KfW	16,740,000.00	8,380,856.50	8,359,143.50
	1.3 Equipment	KfW	2,000,000.00	195,772.24	1,804,227.76
	1.4 Capacity building, consultation and awareness raising	KfW	75,420.00	460.97	74,959.03
	<b>Total</b>		<b>18,929,170.00</b>	<b>8,701,761.97</b>	<b>10,227,408.03</b>
<b>Output 2:</b> Rehabilitation of affected communities' economic infrastructure to promote more resilient and sustainable livelihoods for both men and women	2.1 Consultancies and Technical Assistance Service	KfW	38,500.00	45,956.89	(7,456.89)
	2.2 Civil Works (Economic ): Design, Construction and Supervision	KfW	803,000.00	-	803,000.00
	2.3 Small scale debris management (Ground preparation for land fill rehabilitation and local employment)	KfW	500,000.00	448,822.59	51,177.41
	2.4 Capacity Building, Consultation and Awareness Raising	KfW	48,998.40	1,915.24	47,083.16
	<b>Total</b>		<b>1,390,498.40</b>	<b>496,694.72</b>	<b>893,803.68</b>
<b>Output 3:</b> Other Direct Project Costs (Cross Cutting Output 1 and Output3)	3.1 Project Management Unit	KfW	1,915,766.40	825,349.94	1,090,416.46
	3.2 Programme Staff (Project Quality Assurance, Technical Guidance and Support oversight)	KfW	333,929.16	147,828.12	186,101.04
	3.3 Travel (for quality control/supervision; technical support; administrative support, oversight, etc) - Non-Consulting Personnel	KfW	100,320.00	72,387.80	27,932.20




	3.4 Other Operating Expenses	KfW	405,000.00	415,134.98	(10,134.98)
	3.5 Communications and Publications	KfW	24,464.00	20,371.61	4,092.39
	3.6 Evaluation and Audit	KfW	49,000.00	-	49,000.00
	<b>Total</b>		<b>2,828,479.56</b>	<b>1,481,072.45</b>	<b>1,347,407.11</b>
	<b>GMS 8%</b>		<b>1,851,852.04</b>	<b>294,530.18</b>	<b>1,557,321.86</b>
	<b>Grand Total</b>		<b>25,000,000.00</b>	<b>10,974,059.32</b>	<b>14,025,940.58</b>




\*Accumulative figures from January 2019 to December 2020

\*\* The figure is provisional, pending issuance of the certified financial statement for 2020 by the Comptroller's office at UNDP HQ.




## Annex 7





### List of Photos of Implementation Progress Activity of PETRA project in the 4<sup>th</sup> Quarter of 2020




No.	Activity	Date	Picture
1.	Joint inspection (UNDP PETRA and Local Government) to Genggelang local market that has been completed reconstructed in WNT province	30 Dec 2020	
2.	Coordination meeting with the education and culture office of West Nusa Tenggara province to prepare for the inauguration of the infrastructure of health and school facilities	29 Dec 2020	
3.	Excavation work at school facilities in WNT	28 Dec 2020	

No.	Activity	Date	Picture
4.	Fabrication of reinforcement of foot plate foundation and pedestal for school and health facilities		 <p>A photograph showing several construction workers in safety gear (orange and blue vests, hard hats) working on a construction site. They are fabricating reinforcement for foundations. The workers are positioned around a wooden formwork structure, with one worker in the foreground kneeling and working on the reinforcement. A blue water container is visible on the right.</p>
5.	Land preparation for health facilities (Primary Health Facility) in East Lombok	24 Dec 2020	 <p>A photograph showing a large area of land being prepared for construction. The ground is dark brown and appears to be recently excavated or cleared. A yellow excavator is visible in the background, working on the site. The sky is blue with some clouds.</p>
6.	Land preparation for excavation work at SMKN Pemenang, WNT province	22 Dec 2020	 <p>A photograph showing an excavator working on a site. The excavator is orange and has 'HYDRO' written on its side. It is positioned on a pile of earth and debris, with a wooden retaining wall in the foreground. The background shows a clear blue sky and some trees.</p>










No.	Activity	Date	Picture
7.	Land measurement at sub-primary health facilities	20 Dec 2020	
8.	Applying termiticide to the planning site as part of termite prevention and control method at Tora Belo Hospital in Central Sulawesi.	8-Dec-20	
9.	Pre-conference virtual call for proposal of two markets in Central Sulawesi as part of Output II PETRA.	8-Dec-20	

No.	Activity	Date	Picture
10.	Crane Setting at Anutapura Hospital in Central Sulawesi.	4-Dec-20	
11.	The anchor block progress of Tuva suspension bridge in Sigi District, Central Sulawesi Province.	4-Dec-20	
12.	The seventh weekly coordination meeting was done at temporary office at Anutapura Hospital and attended by representatives of UNDP PETRA, PT AGC as the contractor and PT Arkonin EMP as the supervision consultant. COVID-19 health protocol was followed during the meeting.	2-Dec-20	
13.	Inspection of iron procurement conducted by Ms. Herlinda of PT Arkonin EMP at Tora Belo Hospital in Central Sulawesi.	25-Nov-20	





No.	Activity	Date	Picture
14.	Introduction of PT Arkonin EMP's Team Leader, Mr. Surjedi with the ad interim director of Anutapura Hospital, Mr. Herri, accompanied by contractor representative, Mr. Teguh.	25-Nov-20	
15.	Demolition of ground structures under the foundation at Anutapura Hospital in Central Sulawesi.	17-Nov-20	
16.	UNDP PETRA Supervision Consultant for Tuva suspension bridge, Ms. Irma Novianty measured the foundation anchor.	15-Nov-20	






No.	Activity	Date	Picture
17.	The signing of demolition of asset letter by Anutapura Hospital managements.	6-Nov-20	
18	Environmental Seminar as part of the requirement of the issuance of environmental permit for Kabonga Landfill	5-Nov-20	
19.	Safety Talk discussion on heat stress and dehydration for workers in Tora Belo Hospital	28-Oct-20	




No.	Activity	Date	Picture
20.	The UNDP CSO partner in West Nusa Tenggara, PALUMA has assisted Pokdarwis (the tourism awareness group) to access regional incentive funds to reconstruct village tourism site of tree house (Rumah Pohon) in Genggelang village. The rehabilitation of this <b>infrastructure</b> is on-going process of completion.	6-Dec-20	
21.	The reconstruction progress of commodity infrastructure (commodity kiosk at Genggelang market) has reached around 95%.	4-Dec-20	
22.	The head of Sambik Elen village is handing over equipment assistance to the village DRR Forum and Village Disaster Taskforce (TSBD). This equipment has been purchased using village funds as a form commitment of the village government to support disaster risk reduction.	1-Dec-20	
23.	The members of the village DRR Forum and Village Disaster Taskforce (TSBD) are taking pictures with the equipment that have been provided by the village government.	1-Dec-20	






No.	Activity	Date	Picture
24.	The construction progress of irrigational canal of Orong Sempade, Sajang, West Nusa Tenggara, has reached 100%.	7-Dec-20	
25.	The construction work of irrigational canal of Bawak Nao Daya Sajang, West Nusa Tenggara.	7-Dec-20	
26.	The construction work of Farmer Bridge of Belunak, Sembalun Lawang, West Nusa Tenggara.	7-Dec-20	
27.	Excavation of foundation at SMKN 1 Gangga, West Nusa Tenggara.	5-Dec-2020	



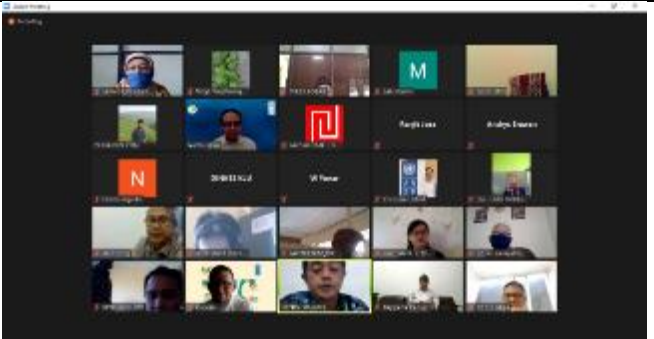

No.	Activity	Date	Picture
28.	Coordination and consultation on site between contractors and consultant supervision and the principal of SMKN 1 Gangga regarding the clearing of the remaining of debris.	1-Dec-20	
29.	Setting out ground level at SMKN 1 Gangga, West Nusa Tenggara.	1-Dec-20	
30	Setting out at Puskesmas Labuhan Lombok, West Nusa Tenggara.	5-Dec-2020	






No.	Activity	Date	Picture
31.	Land clearing at the Primary Healthcare Facility (Puskesmas) of Labuhan Lombok, West Nusa Tenggara.	30-Nov-20	
32.	The process of removing asbestos suspected materials at SMKN (vocational schools) Pemenang, West Nusa Tenggara.	30-Nov-20	
33.	The construction of safety fence at SMKN 1 Pemenang, West Nusa Tenggara.	Des-20	




No.	Activity	Date	Picture
34.	The safety briefing for construction workers prior to work at SMKN 1 Tanjung, West Nusa Tenggara.	30-Nov-20	
35.	Land clearing at SMKN 1 Tanjung, West Nusa Tenggara.	25-Nov-20	
36.	The establishment of temporary field office building at SMKN 1 Tanjung, West Nusa Tenggara.	25-Nov-20	






No.	Activity	Date	Picture
37.	Contractors and consultant conducted coordination meeting with local stakeholders and community leaders at vocational school in West Nusa Tenggara.	25 Nov 20	 <p>SMKN 1 Gangga -8,32037, 115,19763, 49.3m, 141° 25 Nov 2020 09:54:15</p>
38.	The Contractors and Consultants are coordinating to monitor preparations of infrastructure development in West Nusa Tenggara.	17 Nov 2020	
39.	Kick off and coordination meeting of health and education facilities in West Nusa Tenggara was opened by the Deputy Governor of West Nusa Tenggara, Ibu Dr. Ir. Hj. Sitti Rohmi Djalilah, M.Pd.	12-Nov-20	
40.	Kick-off meeting health and education facilities in West Nusa Tenggara with contractors and consultant supervision.	5-Nov-2020	



No.	Activity	Date	Picture
41.	WVI and the Sembalun sub-district agriculture office have signed documents of MoU and cooperation contract for assistance for farmer groups.	26-Nov-20	 <p>Network: 26 Nov 2020 10:54:25 WITA  Local: 26 Nov 2020 10:54:25 WITA  8°21'38,084"S 116°31'36,962"E  No. 16 Jalan Raya Sembalun Lawang  Sembalun Lawang  Sembalun  Kabupaten Lombok Timur  Nusa Tenggara Barat  Altitude 1173.9m  Speed 0.0km/h  Remark: serah terima MoU kerjasama UP 1173 kecamatan Sembalun dengan WVI</p>
42.	Hamzah is writing the receipt. He is a person with a disability and works in the administrative division of the Genggelang Market, West Nusa Tenggara.	Nov-20	
43.	Ms. Supeni (a CfW worker) is swinging a hoe to clear the area in preparation for reconstruction work of Bawak Nao Daya's irrigation canal, Sajang village - East Lombok.	23 Nov 2020	 <p>23 Nov 2020 7:45:45 AM  8.34246474S 116.50109691E  Sajang  Supeni Peladen irigas bawak nao daya</p>



No.	Activity	Date	Picture
44.	Ms. Mujahadah is carrying a bucket of water in the reconstruction work of water retention basin and drainage Nap-nap, Sembalun Bumbung village – East Lombok.	Nov-20	
45.	PALUMA and local government representatives are discussing water management in Sambik Elen village, West Nusa Tenggara.	Nov-20	
46.	Women have helped rebuild Lombok's Orong Sempada irrigation canal, supported KfW funded PETRA project, CSO WVI has ensured awareness of women's rights.	Nov-2020	

No.	Activity	Date	Picture
47.	Ms. Mujahadah and Ms. Asratul Aeni are cleaning up the mud in the reconstruction work of water retention basin and drainage Nap-nap, Sembalun Bumbung village – East Lombok.	Nov-20	
48.	Ms. Elul Hidriati is standing on the stairs to lifting the bucket filled of mud together with Ibu Elma in the reconstruction work of water retention basin and drainage Nap-nap, Sembalun Bumbung village – East Lombok.	Nov-20	
49.	The Local farmers are preparing media for organic fertilizer	Nov-20	



No.	Activity	Date	Picture
50.	Ms. Tisah and Ms. Mega participated in the reconstruction work of Irrigation canal Orong Sempada, Sajang village – East Lombok.	Oct-20	
51.	Tagana (disaster response youth group) are demonstrating earthquake evacuation procedures.	Oct-20	

**Annex 8**  
**SUB-PROJECT COMPLETION REPORT of**  
**COMMUNITY INFRASTRUCTURE RECONSTRUCTION IN WEST NUSA TENGGARA PROVINCE**

Sub-project	:	Commodity Kiosk at Genggelang Market
Location	:	Genggelang village, Gangga sub-district North Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The village market of Genggelang is the economic hub of the community. The infrastructure in the village market of Genggelang including commodity kiosk was heavy damaged during the 2018. The commodity kiosk was used for the outlets of local products and was managed by village-owned entrepreneur. UNDP through the PETRA project in close cooperation with CSO implementing partner, PALUMA Nusantara, reconstructed 1 block of the commodity kiosk (114 m <sup>2</sup> including drainage 51.6m, retaining wall 78m and hand railing retaining wall 70m. The construction work involved construction crew from among village residents. The

		construction of the commodity kiosk was completed in December 2020 and was handed over to the local government.
Methodology	:	The reconstruction process of commodity kiosk adopted Nangka adopted participatory and technical approach to ensure quality of work, community participation and stakeholder engagement, which included : ❶ UNDP-PETRA team identified targeted community infrastructure in accordance with eight supporting criteria of rehabilitation and reconstruction activities, among them the rehabilitation and reconstruction plan document, categorized as severely damaged infrastructure, clear and clean status, proposed by local government; ❷ The CSO implementing partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure, in consultation with community and local government before being approved by PETRA. The approval of DED marked the start date of construction work on site; ❸ Regular monitoring of construction work conducted by Resident Engineer PETRA together with Civil Engineer CSO partner, followed by joint inspection involving local government stakeholders at village and district level to ensure quality of work in accordance to DED; ❹. The CSO partner prepared and submitted technical report on the completion of construction work to PETRA including supporting documents of work completion before handed over to local government.
Beneficiaries	:	There were 32 villagers comprising of 23 men and 9 women work gained short term economic benefit as construction workers through Cash for Work (CfW) mechanism. Total direct beneficiaries 57 households with 257 family members. Indirect beneficiaries are approximately 3,145 households (14,207 people) total population of the Genggelang village.
Lesson learned	:	Some lessons learnt during the construction work of commodity kiosks included ❶ participatory process of identification of community infrastructure through community discussion and consultation provided change and opportunity for community members to identify and analyze development needs; ❷ the adoption of Cash for Work (CfW) approach has provided basic income of targeted communities in the time of crisis due to natural disaster and covid-19 pandemic; ❸ community participation during the construction work increase the sense of community ownership of reconstructed infrastructure in terms of maintenance and management of the facilities; ❹ mainstreaming gender equality and inclusive approach in the construction work ensured the no one left behind principle in the development process; ❺ the engagement of local government stakeholders in all phase of construction work increased their commitment to maintain the facilities. For instance, the village administration of Genggelang has allocated village fund 200 million to support the operation of commodity kiosk in 2021
Link video construction work	:	<a href="https://drive.google.com/file/d/1WNROhHQ55dxc7iUXAfaerRfLoBLOGDKp/view?usp=sharing">https://drive.google.com/file/d/1WNROhHQ55dxc7iUXAfaerRfLoBLOGDKp/view?usp=sharing</a>

DOCUMENTATION OF RECONSTRUCTION WORK  
COMMODITY KIOSK AT GENGDELANG MARKET, NORTH LOMBOK



1 Pre-construction



2 Project signboard on site



3 Construction work



4 Construction progress 25%



5 Construction work progress 75%



6 Completed Structure





**SUB-PROJECT COMPLETION REPORT**  
**RECONSTRUCTION COMMUNITY INFRASTRUCTURE IN WEST NUSA TENGGARA PROVINCE**

Sub-project	:	Birisan Nangka Clean Water Installation
Location	:	Sambik Elen village, Bayan sub-district North Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The Birisan Nangka clean water installation was established in 2008 through the PNPM project. Post-disaster 2018, the clean water installation was severely damaged, pipes were fractured and buried in the landslide. Clean water supply was very critical post-disaster. UNDP targeted the Birisan Nangka clean water installation under the PETRA project intervention after conducting a series of consultations with community members and village officials. In close cooperation with CSO partner, PALUMA Nusantara, the reconstruction of 2000 m clean water installation including 2 water box control units of 8 m <sup>2</sup> and 1 <i>broncaptering</i> ((spring catchment intake) 1.7 m <sup>2</sup> completed in December 2020 followed by a hand over to the local government.
Methodology	:	The reconstruction process of the clean water installation adopted a participatory and technical approach to ensure quality of work, community participation and stakeholder engagement, which included : ❶ UNDP-PETRA identified targeted community infrastructure in accordance to eight supporting criteria of rehabilitation and reconstruction activity among them are part of rehabilitation and reconstruction plan document, categorized as severely damaged infrastructure, clear and clean status, and proposed by the local government; ❷ CSO implementing partner conducted preliminary survey of clean water resources together with community members; ❸ CSO partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure , followed by consultation with community members and local government before reviewed and approved by PETRA. The approval of DED marked the start date of construction work on site. Amid the COVID-19 pandemic, the construction operated under strict pandemic protocols including limiting the number of workers and mandating the use of PPE; ❹ Regular monitoring of construction work conducted by the Resident Engineer of PETRA together with the Civil Engineer of the CSO partner, followed by a joint inspection involving local government stakeholders at the village and district level to ensure the quality of work in accordance with DED; ❺ CSO partner prepared and submitted technical report on the completion of construction work to PETRA including supporting documents of work completion before handed over to the local government.
Beneficiaries	:	There are approximately 422 households (1,396 person) who will receive long-term social-economic benefits from the clean water installation. Among the direct beneficiaries are 30 villagers including 28 men and 2 women who also gained short term economic benefits as construction workers through the Cash for Work (CfW) mechanism. Indirect beneficiaries approximate 858 households (3,467 people) total inhabitants of Sambik Elen village.
Lesson learned	:	Lessons learned during the construction work of clean water installation include: ❶ community engagement in all stages of construction work increases community ownership in terms of maintaining and managing the facilities; ❷ the adoption of the Cash for Work (CfW) option has provided basic income to the targeted communities in the time of the twin crises of the natural disaster and the ongoing COVID-19 pandemic; ❸ mainstreaming gender equality and inclusive approach in the construction work to ensure the No One Left Behind in principle in the development process; ❹ the engagement of local government in analyzing clean water problems encouraged the village government to draft the village regulation on clean water governance to ensure the distribution of clean water to all; ❺ The regional government of North Lombok scaled up clean water installation in 3 hamlets. In 2021, the Planning Board agency through Public Affairs agency allocated IDR 700 million to construct clean water installation in 3 hamlets in Sambik Elen village.
Link video construction work	:	<a href="https://drive.google.com/file/d/1XNeYZL0383tu8XwJMt3xNvLeAfy7DBwt/view?usp=sharing">https://drive.google.com/file/d/1XNeYZL0383tu8XwJMt3xNvLeAfy7DBwt/view?usp=sharing</a>

**DOCUMENTATION OF RECONSTRUCTION WORK  
BIRISAN NANGKA CLEAN WATER INSTALLATION, SAMBIK ELEN VILLAGE NORTH LOMBOK**



**1** Preliminary survey of clean water resource



**2** Project signboard on site



**3** Construction work of catchment reservoir



**4** Clean water catchment reservoir



**5** Clean water piping installation



**6** Clean water distribution reservoir



## SUB-PROJECT COMPLETION REPORT

### RECONSTRUCTION COMMUNITY INFRASTRUCTURE IN WEST NUSA TENGGARA PROVINCE

Sub-project	:	Orong Sempada Irrigation Canal
Location	:	Sajang village, Sembalun sub-district East Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The Orong Sempade irrigation channel was constructed by the PNPM project in 2012 and was heavily damaged by the 2018 earthquake. As a result, the community was unable to use this vital piece of in their farming work on the 25-ha field. PETRA in partnership with CSO partner, Wahana Visi Indonesia, financed the reconstruction of 150 m irrigational canal including 2 water box controls of 1x1.4 meters, and 2 canal lock gates measuring 1x1.4 meters. The reconstruction was carried out by villagers and was completed in December 2020. It was handed over to the local government in January 2021. It is expected the reconstruction of the Orong Sempade will drive economic activity in the village.
Methodology	:	The reconstruction process of the Birisan Nangka irrigation canal adopted a participatory and technical approach to ensure quality of work, community participation and stakeholder engagement, which include : ❶ PETRA team together with community members identified targeted community infrastructure in accordance with eight supporting criteria of rehabilitation and reconstruction categorized as severely damaged and recommended for reconstruction by the local government; ❷ The CSO implementing partner conducted a preliminary survey involving community members; ❸ The CSO partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure , followed by consultations with community members and the local government, followed by PETRA's approval. The approval of the DED marked the start date of construction work on site; ❹ The monitoring of the construction work was conducted regularly by the Resident Engineer of PETRA together with Civil Engineer CSO partner to ensure quality of work in accordance with DED. It also included identification of technical challenges encountered on site; ❺ joint inspection involving local government stakeholders at village and district level to ensure quality of work in accordance to DED; ❻ The CSO partner prepared and submitted the technical report on the completion of construction work to PETRA including supporting documents of work completion before hand over to the local government.
Beneficiaries	:	23 families gained short term economic benefit as construction workers through the Cash for Work (CfW) mechanism, and 65 farmers' households - 293 family members- benefited, and an estimated 25 ha of agricultural land can now be irrigated.
Lesson learned	:	❶ community engagement at all stages of construction increased the sense of ownership of the facilities. For instance, 32 members of farmer groups in Sajang village voluntarily worked to rebuild the infrastructure (i.e. land clearing and measurement); ❷ the reconstruction work through Cash for Work (CfW) approach provided short-term income for targeted communities during the time of crisis following the natural disaster and the COVID-19 pandemic; ❸ the concept of gender equality in construction work is new to village residents who normally associate the sector as being predominantly men. This resulted in fewer women engaging in construction.
Link video on construction work	:	<a href="https://drive.google.com/file/d/1hH_IgbxLTrYdIYA8oR9LXVTBZg9FZJZZ/view?usp=sharing">https://drive.google.com/file/d/1hH_IgbxLTrYdIYA8oR9LXVTBZg9FZJZZ/view?usp=sharing</a>

**DOCUMENTATION OF RECONSTRUCTION WORK  
ORONG SEMPADA IRRIGATION CANAL, SAJANG VILLAGE EAST LOMBOK**



**1** Project signboard on site



**2** Voluntarily preparation work



**3** Construction work progress 25%



**4** Construction work progress 50%



**5** Construction progress 75%



**6** Completed Construction

**SUB-PROJECT COMPLETION REPORT**  
**RECONSTRUCTION COMMUNITY INFRASTRUCTURE IN WEST NUSA TENGGARA PROVINCE**

Sub-project	:	Bawak Nao Daya Irrigation Canal
Location	:	Sajang village, Sembalun sub-district East Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The Bawak Nao Daya irrigation channel was constructed in 2008 and was used to irrigate the 25 ha farm, but it was destroyed in the 2018 earthquake UNDP through the -PETRA project, in partnership with CSO partner, Wahana Visi Indonesia, financed the reconstruction of 225 m irrigational canal with 3 canal lock gates 90x60 cm and a 115 m long retaining wall length. The reconstruction work was carried out by workers recruited from the village and was completed in December 2020. It was handed over to the local government in January 2021.
Methodology	:	The reconstruction process adopted the participatory and technical approach to ensure quality of work, community participation and stakeholder engagement,: ❶ The PETRA team and community members identified targeted infrastructure in accordance with eight supporting criteria for rehabilitation and reconstruction, , categorized as severely damaged, and designated by the local government; ❷ The CSO implementing partner conducted a preliminary survey involving community members; ❸ The CSO partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure, followed by consultations with community members and the local government, followed by the final approval of the PETRA project. The approval of the DED marked the start of construction; ❹ PETRA’s Resident Engineer monitored construction with the Civil Engineer CSO partner to ensure quality of work in accordance to DED and identified technical challenges encountered on site; ❺ joint inspection involving local government stakeholders at village and district level to ensure quality of work in accordance with DED; ❻ the CSO partner prepared and submitted technical report on the completion of construction work to PETRA including supporting documents of work completion before being handed over to the local government.
Beneficiaries	:	Total 83 households comprising of 61 farmer households and 22 families including 4 women-headed households benefitted directly from the Bawak Nao Daya irrigation canal whilst indirect beneficiaries included approximately 928 HHs (3,247 people).
Lessons learned	:	❶ community participation is very important in development initiatives as, it increases community engagement and fosters a sense of community ownership of the rebuilt community infrastructure ; ❷ the reconstruction work through Cash for Work (CFW) approach provided short-term income for targeted communities during the time of crisis following the natural disaster and the ongoing COVID-19 pandemic; ❸ promoting gender equality in construction is new to the village. With construction work typically associated with men, there were a limited number of women engaged in the construction; ❹. Integrated gender equity and inclusive development approach into local development policies and programs is essential to ensure the No One Left Behind principle; ❺ intensive coordination and communication with local government stakeholders is essential to encourage their commitment to maintaining the sustainability of reconstructed community infrastructure.
Link video construction work	:	<a href="https://drive.google.com/file/d/1zwtXsjsDiJm_oIZ_Xg45pKAVIBCni120/view?usp=sharing">https://drive.google.com/file/d/1zwtXsjsDiJm_oIZ_Xg45pKAVIBCni120/view?usp=sharing</a>



DOCUMENTATION OF RECONSTRUCTION WORK  
BAWAK NAO DAYA IRRIGATION CANAL, SAJANG VILLAGE EAST LOMBOK



1 Project signboard on site



2 Preparation work i.e. material mobilization



3 Construction work progress 25%



4 Construction work progress 50%



5 Construction progress 75%



6 Completed Construction

**SUB-PROJECT COMPLETION REPORT  
RECONSTRUCTION COMMUNITY INFRASTRUCTURE IN WEST NUSA TENGGARA PROVINCE**

Sub-project	:	Rantai Mas Water Retention Basin and Drainage
Location	:	Semalun Lawang village, Semalun sub-district East Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The vital water retention basin was destroyed during the 2018 earthquake. UNDP through the PETRA project in partnership with CSO implementing partner (Wahana Visi Indonesia) reconstructed a 12.5x8 meter water retention basin and with a 429 meter irrigation pipe. The construction work was carried out for 24 days, completed in December 2020 and handed over to the local government in January 2021.
Methodology	:	The reconstruction process of the water retention basin adopted a participatory and technical approach to ensure quality of work, community participation and stakeholder engagement, which are : ❶ The PETRA team identified targeted community infrastructure in accordance with eight supporting criteria of rehabilitation and reconstruction categorized as severely damaged infrastructure and recommended by the local government; ❷ The CSO implementing partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure , consulted with community and local government before approved by PETRA. The approval of DED marked the start date of construction work on site; ❸ Regular monitoring of construction work conducted by Resident Engineer PETRA together with Civil Engineer CSO partner, followed by joint inspection involving local government stakeholders at village and district level; ❹. CSO partner prepared and submitted technical report on the completion of construction work to PETRA including supporting documents of work completion before handed over to local government.
Beneficiaries	:	There were 23 villagers comprising of 23 men work gained short term economic benefit as construction workers through Cash for Work (CfW) mechanism. Total direct beneficiaries 75 households with 338 family members and estimated 23 Hectare of agriculture farm irrigated.
Lesson learned	:	Some lessons learned during the construction work of water retention basin are ❶ identification process of community infrastructure through community discussion and consultation provided change and opportunity for community members to engage in the construction work; ❷ the adoption of Cash for Work (CfW) approach has provided basic income of targeted communities in the time of crisis due to natural disaster and covid-19 pandemic; ❸ community participation during the construction work increase the sense of community ownership of reconstructed infrastructure in terms of maintenance and management of the facilities; ❹ the engagement of local government stakeholders in all phase of construction work increased their commitment to maintain the facilities.
Link video construction work	:	<a href="https://drive.google.com/file/d/1_rqPrnDKLXlb8nrPoA_1ui-Xf4He7qS1/view?usp=sharing">https://drive.google.com/file/d/1_rqPrnDKLXlb8nrPoA_1ui-Xf4He7qS1/view?usp=sharing</a>



DOCUMENTATION OF RECONSTRUCTION WORK  
 RANTAI MAS WATER RETENTION BASIN AND DRAINAGE, SEMBALUN LAWANG VILLAGE EAST LOMBOK



1 Preliminary survey



2 Project signboard



3 Construction work progress 5%



4 Construction work progress 50%



5 Construction progress 75%



6 Completed Construction

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**SUB-PROJECT COMPLETION REPORT**  
**RECONSTRUCTION COMMUNITY INFRASTRUCTURE IN WEST NUSA TENGGARA PROVINCE**

Sub-project	:	Belunak Farmer Bridge
Location	:	Semalun Lawang village, Semalun sub-district East Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The bridge's is very important for public access to the community village, and community agriculture land. And also, the bridge using for mobility of agriculture product and connect to tourism spot in the village. After the EQ 2018 the bridge was collapse, UNDP through PETRA project in close cooperation with CSO implementing partner (Wahana Visi Indonesia) has reconstructed of 4x3 meter concrete bridge, retaining wall 5x2 meter and 4 units concrete support for bridge railing. The construction work was carried out for 19 days and the work has been completed in December 2020 and handed over to local government in January 2021.
Methodology	:	The reconstruction process of farmer bridge adopted some methodologies and approaches to ensure quality of work, community participation and stakeholder engagement, which are : ❶ UNDP-PETRA team identified targeted community infrastructure in accordance to eight supporting criteria of rehabilitation and reconstruction activity among them are part of rehabilitation and reconstruction plan document, categorized as severely damaged infrastructure, clear and clean status, and proposed by local government; ❷ The CSO implementing partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure, in consultation with the community and the local government before approval by PETRA. The approval of the DED marked the start of construction; ❸ Regular monitoring of construction work was conducted by the PETRA Resident Engineer and Civil Engineer from the CSO partner, followed by a joint inspection involving local government stakeholders at village and district level; ❹. The CSO partner prepared and submitted a technical report on the completion of construction work to PETRA including supporting documents of work completion before handover to the local government.
Beneficiaries	:	14 villagers (all men) benefitted through work as construction workers through the Cash for Work (CfW) mechanism. 92 households (414 individuals) benefited from the project.
Lesson learned	:	❶ identification process of community infrastructure through community discussion and consultation provided change and opportunity for community members to engage in the construction work; ❷ the adoption of the Cash for Work (CfW) approach has provided basic income of targeted communities in the time of crisis due to natural disaster and covid-19 pandemic; ❸ community participation during the construction work increase the sense of community ownership of reconstructed infrastructure in terms of maintenance and management of the facilities; ❹ the engagement of local government stakeholders in all phase of construction work has increased their commitment to maintain the facilities.
Link video construction work	:	<a href="https://drive.google.com/file/d/17HYiPaRKOpEloWnSuB7UqeNF_LtGMwgV/view?usp=sharing">https://drive.google.com/file/d/17HYiPaRKOpEloWnSuB7UqeNF_LtGMwgV/view?usp=sharing</a>



DOCUMENTATION OF RECONSTRUCTION WORK  
 BELUNAK FARMER BRIDGE, SEMBALUN LAWANG VILLAGE EAST LOMBOK



1 Preliminary survey



2 Project signboard on site



3 Construction work progress 25%



4 Construction work progress 50%



5 Construction progress 75%



6 Completed Construction

**SUB-PROJECT COMPLETION REPORT**  
**RECONSTRUCTION COMMUNITY INFRASTRUCTURE IN WEST NUSA TENGGARA PROVINCE**

Sub-project	:	Nap-Nap Water retention basin and Drainage
Location	:	Semalun Bumbung village, Semalun sub-district East Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The water retention basin was damaged during the 2018 earthquake. UNDP via the PETRA project in partnership with CSO implementing partner (Wahana Visi Indonesia) reconstructed a 11x11 meter water retention basin and 300 m irrigation pipe. The construction was carried out for 10 days and completed in December 2020. It was handed over to the local government in January 2021.
Methodology	:	The reconstruction process of water retention basin adopted methodologies and approaches to ensure quality of work, community participation and stakeholder engagement: <b>1</b> The PETRA team identified targeted community infrastructure in accordance to eight supporting criteria of rehabilitation and reconstruction activity among them are part of rehabilitation and reconstruction plan document, categorized as severely damaged and recommended by the local government; <b>2</b> CSO implementing partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure, consulted with community and the local government followed by approval by PETRA. The approval of the DED marked the start of construction <b>3</b> Regular monitoring of construction work conducted by Resident Engineer PETRA together with Civil Engineer CSO partner, followed by joint inspection involving local government stakeholders at village and district level; <b>4</b> . CSO partner prepared and submitted the technical report on the completion of construction work to PETRA including supporting documents of work completion before being handed over to the local government.
Beneficiaries	:	There were 20 villagers, comprising 16 men and 4 women, who gained short term employment as construction workers through the Cash for Work (CfW) mechanism. 153 households with 689 family members benefited and an and estimated 30 Hectare of agricultural land can now be irrigated.
Lesson learned	:	<b>1</b> identification of community infrastructure through community discussion and consultation provided change and opportunities for community members to engage in the construction plan; <b>2</b> the Cash for Work (CfW) approach provided basic income of targeted communities during a time of crisis -following the natural disaster and the ongoing COVID-19 pandemic; <b>3</b> community participation during the construction increased the sense of community ownership of reconstructed infrastructure in terms of maintenance and management of the facilities; <b>4</b> the engagement of local government stakeholders in all phases of construction work increased their commitment to maintain the facilities; <b>5</b> the mainstreaming of gender equality and an inclusive approach to construction ensured the project adhered to the No One Left Behind principle.
Link video on construction work	:	<a href="https://drive.google.com/file/d/1gSW5mZw_FZaLaowkG_b4uM3sxqSaCtcn/view?usp=sharing">https://drive.google.com/file/d/1gSW5mZw_FZaLaowkG_b4uM3sxqSaCtcn/view?usp=sharing</a>



DOCUMENTATION OF RECONSTRUCTION WORK  
 NAP-NAP WATER RETENTION BASIN AND DRAINAGE SEMBALUN BUMBUNG VILLAGE EAST LOMBOK



1 Pre-construction condition



2 Project signboard on site



3 Reconstruction progress 25%



4 Reconstruction work progress 50%



5 Construction progress 75%



6 Completed Construction

**SUB-PROJECT COMPLETION REPORT**  
**RECONSTRUCTION COMMUNITY INFRASTRUCTURE IN WEST NUSA TENGGARA PROVINCE**

Sub-project	:	Dayan Rurung Timuk Irrigational Pipe
Location	:	Sembalun Bumbung village, Sembalun sub-district East Lombok
Web-based map	:	<a href="http://bit.ly/petra-ntb-2">http://bit.ly/petra-ntb-2</a>
Description	:	The earthquake of 2018 destroyed the irrigation system which hampered agriculture UNDP through the PETRA project in partnership with CSO implementing partner (Wahana Visi Indonesia) reconstructed an 810-meter irrigation pipe, a network of 7 distribution pipes measuring 1x1 meters and 1 filtration box measuring 1 x 0.9 meter. The construction work was carried out for 18 days, completed in December 2020 and handed over to the local government in January 2021.
Methodology	:	The reconstruction process of irrigation pipe adopted some methodologies and approaches to ensure quality of work, community participation and stakeholder engagement : <b>❶</b> The-PETRA team identified targeted community infrastructure in accordance with eight supporting criteria of rehabilitation and reconstruction categorized as severely damaged and recommended by the local government; <b>❷</b> The CSO implementing partner prepared a Detailed Engineering Design (DED) of targeted community infrastructure, consulted with community and local government and approved by PETRA. The approval of DED marked the start of construction; <b>❸</b> Regular monitoring of construction work was conducted by the PETRA Resident Engineer and Civil Engineer of the CSO partner, followed by joint inspection involving local government stakeholders at the village and district level; <b>❹</b> .The CSO partner prepared and submitted the technical report on completion of the construction to PETRA including supporting documents of work completion before hand over to local government.
Beneficiaries	:	There were 16 villagers totaling 14 men and 2 women who earned short term work as construction workers through the Cash for Work (CfW) mechanism. 187 households totaling 842 family members benefited and an estimated 60 ha of agricultural land can now be irrigated.
Lesson learned	:	<b>❶</b> identification of community infrastructure through community discussion and consultation provided change and opportunity for community members to engage in the construction work; <b>❷</b> the adoption of Cash for Work (CfW) approach has provided basic income of targeted communities during a time of crisis following the natural disasters and the COVID-19 pandemic; <b>❸</b> community participation during the construction work increases the sense of ownership of reconstructed infrastructure in terms of maintenance and management of the facilities; <b>❹</b> the engagement of local government stakeholders in all phases of construction work increased commitment to maintain the facilities; <b>❺</b> the mainstreaming of gender equality and inclusive approach in the construction work ensures adherence to the No One Left Behind principle.
Link video on construction work	:	<a href="https://drive.google.com/file/d/1UiJaMGHDaQil_1v8RH8dJgehAiSyNpZw/view?usp=sharing">https://drive.google.com/file/d/1UiJaMGHDaQil_1v8RH8dJgehAiSyNpZw/view?usp=sharing</a>





**Annex 9**  
**Communications Plan for PETRA Project**  
**February- December 2021**  
*Projected Plans for KfW-Funded Project Highlighting Donor Funding*

<p><b>Target Audience</b></p>	<p>Local and Provincial Government  Regional and National Government  (*) – policy makers.</p> <p>Donor (KfW)</p> <p>Media - (Jakarta/Central Sulawesi/West Nusa Tenggara)</p> <p><u>Jakarta:</u></p> <ul style="list-style-type: none"> <li>- <i>Jakarta Post</i> (English/National Govt, Youth)</li> <li>- <i>Kompas</i> (Indonesian)</li> </ul> <p><u>Central Sulawesi:</u></p> <ul style="list-style-type: none"> <li>- <i>Tribun Palu</i> (Indonesian)</li> </ul> <p><u>West Nusa Tenggara:</u></p> <ul style="list-style-type: none"> <li>- <i>Lombok Post</i> (Indonesian)</li> <li>- <i>Tribun NTB</i> (Indonesian)</li> </ul> <p><u>International</u></p> <ul style="list-style-type: none"> <li>- DPA news agency</li> <li>- Deutsche Welle.</li> </ul>
<p><b>Key Messages</b></p>	<ul style="list-style-type: none"> <li>• Highlighting PETRA (funded by KfW)'s work on post disaster reconstruction of vital infrastructure (bridges, canals, irrigation pipes) and community infrastructure (hospitals, health care centers and schools) benefiting the community</li> <li>• Participation of the community – with a focus on women's recommendations and input being included– during the planning and construction phases. Focus on women's participation in preparatory meetings and in the construction of the facilities. Also highlighting an inclusive 'whole of society' approach to working with beneficiaries so individuals from all backgrounds have the opportunity to recommend their needs in the reconstruction.</li> <li>• Positioning KfW's funding at the center of the project. Highlighting the use of funds for the construction of high-quality structures following environmentally friendly construction plans.</li> </ul>

**COMMUNICATION VEHICLES:**

<p>WRITTEN COMMUNICATIONS MATERIALS</p>	<ul style="list-style-type: none"> <li>• Human interest stories focusing on beneficiaries of the project with specific information acknowledging KfW's funding. (Minimum frequency: 1-2 stories per month)</li> <li>• Press Releases will clearly mention KfW's funding of the PETRA project</li> <li>• During German Donor Recognition week (as determined by UNDP HQ), the PETRA project will highlight KfW's funding of the project via an interview with KfW staff and the work conducted in the targeted areas – with KfW funds.</li> <li>• Op-ed in October for International Day for Disaster Risk Reduction will highlight KfW's funding of the PETRA project <i>*potentially a joint op-ed with Govt to highlight policy-focused audience.</i></li> <li>• Tweets and Instagram posts will continue to use the phrase "@kfw_int funded #PETRA project" to highlight KfW funding due to character limits but stories will explain KfW's funding in more detail.</li> </ul>
<p>VISUAL COMMUNICATION PLANS</p>	<ul style="list-style-type: none"> <li>• In Mid-2021, infographic about PETRA's project completed thus far– with a focus on KfW's funding</li> <li>• Periodic videos (updates on the progress of the work) will include acknowledgement of KfW's funding of the PETRA project (by beneficiaries and in text on screen). These videos will be shared on social media (Twitter and Instagram) with further acknowledgement of KfW funding</li> <li>• All stakeholder logos will be used in banners and posters where appropriate (for example during major public events) and photographs used in communication material will include photos clearly showing these banners to ensure stakeholder visibility.</li> <li>• A plaque will be placed in a strategic location in all buildings reconstructed by the KfW-funded PETRA project with the logos of all stakeholders clearly visible. The design of the plaque has been approved by KfW and is in line with UNDP guidelines.</li> </ul>