UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

SUSTAINABLE DEVELOPMENT GOALS

Project Implementation Report

(1 July 2021 – 30 June 2022)

Project Title:	*Environmentally sound management of polychlorinated biphenyl (PCB) - containing equipment and wastes and upgrade of technical expertise in Bolivia*
GEF ID:	*5646*
UNIDO ID:	*140296*
GEF Replenishment Cycle:	*GEF-5*
Country(ies):	*Bolivia*
Region:	*LAC - Latin America and Caribbean*
GEF Focal Area:	*Persistent Organic Pollutants (POPs)*
Integrated Approach Pilot (IAP) Programs[1]:	*N/A*
Stand-alone / Child Project:	*N/A*
Implementing Department/Division:	*ENV / IPM*
Co-Implementing Agency:	*N/A*
Executing Agency(ies):	*Ministerio de Medio Ambiente y Agua*
Project Type:	*Medium-Sized Project (MSP)*
Project Duration:	*36 months*
Extension(s):	*3 extensions. Final until December 2022*
GEF Project Financing:	*USD 2,000,000*
Agency Fee:	*USD 190,000*
Co-financing Amount:	*USD 9,696,435*
Date of CEO Endorsement/Approval:	11/20/2014
UNIDO Approval Date:	12/17/2014
Actual Implementation Start:	2/1/2015
Cumulative disbursement as of 30 June 2022:	*USD 1,767,798*
Mid-term Review (MTR) Date:	Click or tap to enter a date. *IF applicable, insert expected/actual date of MTR submission to the GEF.*
Original Project Completion Date:	2/1/2018 *Insert the indicated project completion date as per CEO Approval / Endorsement document.*

[1] Only for **GEF-6 projects**, if applicable

Project Completion Date as reported in FY21:	3/31/2022 *Insert the project completion date as reported in the previous PIR for Fiscal Year 2021 (FY21)*
Current SAP Completion Date:	12/31/2022 *Insert the project completion date as currently seen in the system*
Expected Project Completion Date:	12/31/2022 *If the date is the same as above, please confirm; if you plan to extend the project completion date, please indicate here and elaborate further under section III.2*
Expected Terminal Evaluation (TE) Date:	10/1/2022 *Insert expected/actual date of TE submission to the GEF*
Expected Financial Closure Date:	10/1/2023 *Insert a date no later than 12 months after the TE submission date*
UNIDO Project Manager[2]:	*Alfredo Cueva*

I. Brief description of project and status overview

Project Objective

The aim of the project is to strengthen national capacities for the environmentally sound management (ESM) of PCBs, including disposal of up to 400 tons of PCB and related wastes and reduction/elimination of PCB releases from serviced electrical equipment at workshops and interim storage locations, to avoid cross contamination of electrical equipment and to protect human health and the environment.

Project Core Indicators		*Expected at Endorsement/Approval stage*
	PCB concentrated oils disposed of and average cost [1.4.1.20]	*The project estimated that 127,84 tonnes 357 units) will be collected until July 2022 for final disposal.*
	PCB contaminated oils disposed of, or decontaminated, and average cost [1.4.1.21]	*The project estimated that 127,84 tonnes (357 units) will be collected until July 2022 and decontaminated/disposed in the second semester of 2022.*

Baseline

Due to the development of electric power and the progress and increase of industrial activities during the 20th century around the world, equipment has been developed that has improved the generation and transmission of this energy. One of the main components of this equipment are the dielectric oils, many of which contain PCBs, for which its inventorying and subsequent elimination is necessary.

Bolivia has demonstrated a strong interest, both politically and financially in the development of the environmental management system of PCBs and their disposal. There is a need of GEF funded project to develop a national structured approach that will facilitate its SC commitments, but it needs technical and

[2] Person responsible for report content

financial assistance to create this national capacity. The implementation of the project seeks the adoption of measures for the inventory, storage, temporary and final disposal of these chemical compounds until the year 2028.

Overall Ratings[3]	**FY22**	**FY21**
Global Environmental Objectives **(GEOs)** / Development Objectives **(DOs)** Rating	*Satisfactory (S)*	*Moderately Satisfactory (MS)*
During this reporting period, the project worked hard to continue achieving the objectives, working on the activities planned to successfully meet the project objectives. The progress to date, unlike the previous report, has a greater achievement of targets met, which comply with the provisions of the approved work plan. *In this period (FY22) the approval of the Specific PCB Regulation was achieved, which was still under review during FY21.* *The hiring of the company in charge of the elimination of stocks with PCB was achieved, but this activity, had not started in FY21.* *The collection, transportation and collection of stocks with PCB (from the 24 companies), which are stockpiled in the city of Santa Cruz, have been achieved.* *Approval of the National PCB Information System has been achieved, which was under development during FY21.*		
Implementation Progress **(IP)** Rating	*Satisfactory (S)*	*Moderately Satisfactory (MS)*
During the reporting period (July 2021 - June 2022), the technical team effectively progressed with the project implementation and the approval of pending products as reported last year. The progress to date shows greater achievement of targets met and significant implementation progress, in line with the provisions of the approved work plan.		
Overall **Risk** Rating	*Moderate Risk (M)*	*Moderate Risk (M)*
The level of risk is similar because the same risk factors remain. Nonetheless, mitigation measures are in place to avoid further delays.		

II. Targeted results and progress to-date

Please describe the progress made in achieving the outputs against key performance indicator's targets in the project's **M&E Plan/Log-Frame at the time of CEO Endorsement/Approval**. Please expand the table as needed.

[3] Please refer to the explanatory note at the end of the document and assure that the indicated ratings correspond to the narrative of the report

Project Strategy	KPIs/Indicators	Baseline	Target level	Progress in FY-22
Component 1 – Regulatory and institutional strengthening and awareness raising for the implementation of PCB related measures of the SC on POPs				
Outcome 1: Regulatory and institutional capacities for environmentally sound management of PCBs strengthened				
Output 1.1: Institutional representatives to the Project Steering Committee, and representatives to the Technical Committee appointed	Steering Committee Appointed	Project Steering Committee in Bolivia is being integrated.	Steering Committee is fully appointed and working as programmed for the project implementation	Target achieved. SC appointed and working as programmed. During this reporting period (July 2021-June 2022), there was one main Steering Committee meeting (01/19/2022). The SC agreed to prepare a project status report so that the Vice Ministry of Environment, as leader of the Committee, can request the project extension to UNIDO to adequately achieve all the project objectives. Since project inception, there were 8 Steering Committee meetings, as reported in previous PIR.
	Technical Committee appointed	Technical Committee needs to be selected and appointed	Technical Committee is fully appointed and working as planned during the project implementation	Target achieved. TC appointed and working as programmed. Since project inception, there were 16 Technical Committee meetings, as reported in previous PIR.
Output 1.2: Legal Framework drafted	Environment policies strategies, laws, regulation approved/enacted	Insufficiency of existing laws, regulations and official guidelines on PCBs in Bolivia.	Draft laws, regulations, guidelines drafted/improved and in line with SC requirements within the first year	Target achieved. The government approved the specific legislation for PCB called "General Regulation of Adequate Environmental Management of Polychlorinated Biphenyls (RGGAA-PCB)". Approval registration: Ministerial Resolution No. 727 (12/30/2021). 5 Technical Guidelines on Procedures for the Environmentally Sound Management of PCB and 3 informative bulletins were developed and shared with the main stakeholders.

Output 1.3: Environmental Technical Government staff (inspectors and regulators), authorities of the different sectors must be trained to implement the legislation adopted	Training participants/trainees (male/female) on PCB-related regulations	Lack of knowledge on PCB-related legislation among environmental technical governmental staff and relevant technical authorities	At least 50 local environmental inspectors and regulators trained on regulations (male/female)	Target to be achieved in the third quarter of 2022. As the specific legislation for PCB was recently approved and is under printing process, the technical team is organizing training workshops (on the national PCB legislation in Bolivia) to train Bolivian authorities, inspectors and regulators. Anyway, the project took the opportunity to train more than 300 stakeholders (Authorities, inspectors and technicians) in Stockholm Convention regulations and National Laws (N° 1333 and 755) regarding on hazardous waste and Environmentally Sound Management of PCB. # of Women: 127 # of Men: 282
	Inspections within the framework of legislation conducted		At least 50 inspections conducted	Target achieved. During this period, 59 inspections have been carried out within the framework of environmental management that incorporates the environmentally sound management of PCB.
Output 1.4: Society awareness-raising and training conducted	Training participants/trainees (male/female) from civil society, especially workers and community people	Civil society lacks the knowledge on PCB management and risks associated with environment and human health	At least 2 trainings aimed at NGOs and 1 awareness-raising campaign for the general public;	Target achieved. During the project implementation, 4 trainings and 9 awareness- raising campaigns events were held aimed at NGOs, universities, other institutions and general public. 2 NGOs and 3 universities participated in the events, as well as public/private companies from the electricity, hydrocarbon and mining sectors.

			At least 50 participants (male/female)	Target achieved. Despite not being able to hold face-to-face meetings in 2021 due to the Pandemic, during the virtual technical meetings, all company's technicians and authorities were trained. There were more than 200 attendees, including civil society, inspectors, authorities and technicians. # of Women: 127 # of Men: 282
Component 2 – Environmentally sound management (ESM) of PCB-containing electrical equipment and waste				
Outcome 2: Environmentally sound management (ESM) of PCBs established				
Output 2.1: Methods for PCBs analysis adopted and laboratories accredited for PCB analysis	Accredited methods Adopted Laboratories accredited	There are no laboratories certified by the Competent Authority in this parameter; accreditation process is very long.	All relevant methods assessed and at least one adopted One laboratory is accredited for PCB analysis	Activity cancelled. At the Steering Committee meeting of the first quarter of 2020, it was agreed that this activity would no longer be carried out due to the lack of Bolivian laboratories interested in the activity.
Output 2.2: ESM system for control and disposal of PCBs established, including a guide on mitigation measures on environment, safety and occupational health, and relevant staff trained	ESM strategy is available, guide is published and training plan is ready for implementation. Concerned staff is trained	Lack of ESM strategy for PCB	Approved ESM strategy is implemented. It has been discussed and approved. Relevant staff has been trained and ESM implemented into the relevant sectors	Target achieved. The ESM Plan and Strategy were developed and is ready for is implementation. There were prepared guides, bulletins and manuals: 5 Technical Guidelines 3 informative bulletins 2 manuals.
Output 2.3: In-depth inventory of the major PCB-contaminated equipment and oils, with the development of the national management plan for PCB disposal	Inventory of equipment sampled, analyzed and identified	An up-to-date, reliable national PCB inventory is missing	Samples from equipment representing up to 400 tons of PCB contaminated oil and wastes are taken;	Target achieved. The project organized, reviewed and selected the PCB inventory to be analyzed by gas chromatography (282 samples in total).

	Information system for inventory monitoring implemented	Lack of information system for the inventory	National PCB inventory Available	Target almost achieved After the Chromatography analysis, only 455 units were detected, with an estimated weight of 94.18 Tons. As of today, 130 tons were collected. The total weight is to be confirmed by TREDI (the company in charge of the PCB elimination and final disposal), because Bolivian companies don't have weight records on the equipment detected.
			Information system ready	Target achieved. The Information System for the final inventory of PCB was developed and approved by the Vice-Ministry of Environment. Link to the Information System: Information System
Output 2.4: PCB disposal plan implemented, PCBs phased out and long-term strategy developed	Existence of a phase out plan for PCB-containing equipment;	Phase-out plan for PCB disposal is missing;	A phase-out plan is ready and approved for the phase out of PCB (in-use and already phased-out equipment);	Target achieved. The PCB elimination plan includes 455 units (130 tons approx.). The total weight will be confirmed by TREDI after the collection.
	Quantity of PCBs (tons) eliminated/discontinued; Quantity of PCB (tons) contaminated equipment safeguarded	Up to 400 tons of PCB are identified to be disposed in an environmentally sound manner	Up to 400 tons of PCB disposed in an environmentally sound manner	Target to be achieved in the second semester of 2022. The PCB collection process in Bolivia started in March 2022, due to delays from the Vice Ministry of Environment to send the project extension request. The final disposal is programmed for September 2022.

	Existence of a long-term PCB phase-out strategy	No long-term PCB elimination strategy available	A national long-term phase-out strategy available	Target almost achieved. The Long-term treatment/elimination strategy for Polychlorinated Biphenyls (PCB) is available and under implementation.

III. Project Risk Management

1. Please indicate the overall project-level risks and the related risk management measures: (i) as identified in the CEO Endorsement document, and (ii) progress to-date. Please expand the table as needed.

	(i) Risks at CEO stage	(i) Risk level FY 21	(i) Risk level FY 22	(i) Mitigation measures	(ii) Progress to-date	New defined risk[4]
1	Lack of institutional support for PCB management related policy	Modest risk (M)	Low risk (L)	The national multi-stakeholder coordinating committee for the NIP development will be a support for implementing the PCB project and will build the required institutional support through its close relationship with the Vice-Ministry of Environment and Water, through PRONACOPs. Proactive activities by the Project Management Unit and UNIDO Representative support in Bolivia to achieve different inter-institutional meetings in relation to the coordination, consensus and approval of the proposed regulation	The project team had constant contact through email, phone calls and mainly meetings with all stakeholders, including Committee Members to enhance the support for PCB legal framework. Continuous meetings were held with the different national units (counterparts): Unit for Analysis of Social and Economic Policies - UDAPE/Ministry of Planning and Bolivian Ministries and other companies participating in the project. A consensus was reached and finally the legal framework was approved. Approval registration: Ministerial Resolution No. 727 (12/30/2021).	☐
2	Lack of interest from public or private sector, for the fear of additional obligations to eliminate equipment containing PCB, without	Modest risk (M)	Modest risk (M)	The establishment of a financial mechanism for replacing PCB contaminated equipment and facilitating its elimination is addressed at project implementation. These financial measures are integrated into the PCB elimination and disposal strategy developed. In kind and cash co-financing	During all communications, the benefits of the project for private and public stakeholders were reported, mainly in activities related to trainings and final PCB removal. Meetings were held with the companies, but unfortunately, in some cases due to the geographical location (distance, access, roads,	☐

[4] New risk added in reporting period. Check only if applicable.

	appropriate financial support			commitments were obtained during the PPG phase through workshops and meetings with the stakeholders, where issues like these were discussed. The Project Management Unit had different meetings with all the companies participating in the project with the aim of finding an adequate space that complies with all technical and legal specifications for the collection, preparation, export and subsequent elimination/treatment of PCB stocks	and others); it was not technically suitable for the collection. However, PMU proactive work could coordinate and agree with all companies their support, so they started to prepare (with no cost for the project) its PCB stocks for a better and easier collection.	
3	Occupational and environmental risks concerning the management of the interim storage sites are not properly understood and addressed.	Low risk (L)	Low risk (L)	Operational and safety standards will be introduced and well- trained staff will manage the interim storage facilities based on international technical guidelines. Emergency and contingency plans to address spill and accident response will be implemented and personnel trained accordingly. Worker health and safety issues will also be addressed in the technical guidelines.	Training workshops were held many times on the correct use of personal protective equipment and proper handling for the storage of equipment contaminated with PCB. All this trainings were according to the guidelines developed by the project. All companies are working properly regarding the adequately storage of PCB.	☐
4	Climate change risks	Low risk (L)	Low risk (L)	There will not be significant risks associated with climate change; when needed, the project will check weather/climate forecasts to avoid delays.	The Project developed the program for the collection and transport of PCBs to the collection point, taking into account weather/climate forecasts.	☐
5	Risks of delays in the progress of the project due to a new electoral period in the country (October, 2020) and the possible change of authorities.	Modest risk (M)	Modest risk (M)	Preparation of progress reports for each activity of the project, to maintain a line of work regardless of possible personnel changes.	There were no other electoral period in Bolivia. Anyway, there was a change of authorities, for which the technical team of the project, with the Project Manager and UNIDO Bolivia Country Representative support, continuously informed the new authorities about the progress and importance of the project. In this sense, several meetings were held with the Vice-Minister of Environment, because, due to the great number of responsibilities and lack of time of the authority, UNIDO was constantly requesting meetings to inform the importance of the project.	☐
6	Huge delays due to the COVID-19	Modest risk (M)	Low risk (L)	The United Nations System decided to protect all UN personnel but	Due to a large number of vaccinated people and the low number of	☐

	Health Emergency, Quarantine and the positive cases in the Government.			without leaving behind the work, so the UNCT (UN Country Team) suggested that everyone should continue working at home, but in a transition phase back to normal work UNIDO and the Vice-Minister of Environment requested a final extension until December 2022 to properly complete all project activities.	positive cases, the project implementation was more fluid and the effective progress of the project continued, however, the biosecurity measures suggested by the UNCT were applied at anytime. In this sense, it was possible to demonstrate considerable progress to achieve the project objectives, however, it was necessary to request a final extension for final disposal process, which was approved until 31/12/2022	

2. If the project received a sub-optimal risk rating (H, S) in the previous reporting period, please state the actions taken since then to mitigate the relevant risks and improve the related risk rating. Please also elaborate on reasons that may have impeded any of the sub-optimal risk ratings from improving in the current reporting cycle; please indicate actions planned for the next reporting cycle to remediate this.

N/A

3. Please indicate any implication of the **COVID-19** pandemic on the progress of the project.

During the reporting period, there were fewer delays in the project execution due to the COVID-19 Pandemic situation at the global and national level. Most of the Ministries and other public entities reduced the number of technicians working at the same time, so they all wouldn't get infected at the same time.

In that way, in some cases the project had to wait for the companies´ technicians and authorities to come back to work to coordinate. Anyway, the PMU continued working and coordinating all project activities through virtual meetings (Skype, Google Meets, Zoom, and others).

In this sense, it was possible to demonstrate considerable progress to achieve most of the project targets.

The COVID-19 pandemic, also affected the international process to receive proposals for the final elimination/disposal stage of PCB in Bolivia, this process took longer due to the lack of proposals for the COVID-19 situation at global level.

However, the project achieved most of the targets defined, and it was necessary to request a final extension of the project just for the final PCB elimination/treatment process and final workshop to show results.

4. Please clarify if the project is facing delays and is expected to request an **extension**.

N/A

5. Please provide the **main findings and recommendations of completed MTR**, and elaborate on any actions taken towards the recommendations included in the report.

N/A

IV. Environmental and Social Safeguards (ESS)

1. As part of the requirements for **projects from GEF-6 onwards**, and based on the screening as per the UNIDO Environmental and Social Safeguards Policies and Procedures (ESSPP), which category is the project?

☐ Category A project

☐ Category B project

☐ Category C project

(By selecting Category C, I confirm that the E&S risks of the project have not escalated to Category A or B).

Please expand the table as needed.

	E&S risk	Mitigation measures undertaken during the reporting period	Monitoring methods and procedures used in the reporting period
(i) Risks identified in ESMP at time of CEO Endorsement			
(ii) New risks identified during project implementation (if not applicable, please insert 'NA' in each box)			

V. Stakeholder Engagement

1. Using the previous reporting period as a basis, please provide information on **progress, challenges and outcomes** regarding engagement of stakeholders in the project (based on the Stakeholder Engagement Plan or equivalent document submitted at CEO Endorsement/Approval).

The PMU worked on the approval of the legal framework on PCB, with the participation of the main actors (Ministries and Public Companies). Based on the contributions of the interested companies and the technical recommendations made, UDAPE (Unit for the Analysis of Economic and Social Policies) recommended that the PCB regulations should be approved by Ministerial Resolution as a Technical Regulation.

All the Ministries and Public Companies of the Electricity, Mining, Energy and Hydrocarbons sectors participated in the Meeting of the Project Steering Committee where the situation for the final disposal of equipment, oils and waste contaminated with PCB was analyzed, concluding the need to request an extension for the project until December 2022,

The technical team of the project held different meetings in order to support the obtaining of national pertinent environmental certificates for the company that will carry out the treatment/elimination of PCB, and also carry out an adequate collection, transport, conditioning and stockpiling for its elimination/treatment of equipment, oils and waste contaminated with PCB.

The companies got involved and several meetings and administrative procedures were carried out to deliver their stocks, on the other hand, the companies provided support in all the activities of collecting the stocks with PCB, all this, thanks to the work of the technical team that properly coordinated with the companies

that are part of the project

2. Please provide any feedback submitted by national counterparts, GEF OFP, co-financiers, and other partners/stakeholders of the project (e.g. private sector, CSOs, NGOs, etc.).

The Vice-Minister of Environment requested the extension of the Project, which was approved until December 2022, to achieve the development of all the scheduled activities and for the project to finish successfully.

All the companies participating in the Project responded and supported in an effective and very positive manner in the activities scheduled for collection, transportation, conditioning, for subsequent disposal/treatment.

All the companies recognized and demonstrated the great importance of the project for Bolivia, as well as the importance of achieving an extension of the project to adequately complete it and achieve the objectives.

3. Please provide any **relevant stakeholder consultation** documents.

5646_Meeting Minute DGMACC-DGAJ-PRONACOPS.pdf

5646_Steering Committee Meeting 2022.pdf

5646_Remision RM727 y RGGAA.pdf

5646_Cronograma TREDI aprob VMA.pdf

5646_Meeting YPFB.pdf

VI. Gender Mainstreaming

1. Using the previous reporting period as a basis, please report on the **progress** achieved **on implementing gender-responsive measures** and **using gender-sensitive indicators,** as documented at CEO Endorsement/Approval (in the project results framework, gender action plan or equivalent),.

For every event/meeting, each entity or company has the independence of naming its focal points, technicians and participants, even that, the project and UNIDO always encouraged and promoted equal gender participation. There was a positive response as there was a high women participation in the project events.

Period FY20 to FY21

# of attendees (women): 38

# of attendees (men): 162 .

Period FY21 to FY22

# of attendees (women): 89

# of attendees (men): 120

TOTAL until June 2022

# of attendees (women): 127

# of attendees (men): 282

As the previous data (July 2020 - June 2021 vs July 2021 - June 2022), thanks to the fact that the Project promoted gender equality, a greater participation of women was achieved in the activities carried out during the last period of the report.

VII. Knowledge Management

1. Using the previous reporting period as a basis, please elaborate on any **knowledge management activities / products**, as documented at CEO Endorsement / Approval.

The project team developed documents/guidelines for companies and technicians for the environmentally sound management of PCB. Likewise, the approval of the Vice Ministry of Environment of all the documents was achieved, after that, the layout and printing of each one were done, and finally the distribution was made to all the stakeholders and the public. The diagrammed and printed products are detailed below:

5646_PCB Legal Framework - Approval RM 727.pdf
5646_Final Elimination Plan.pdf
5646_Estrategia de Eliminacion PCB.pdf
5646_Guia 1 - identificacion e inventario de PCB.pdf
5646_Guia 2 - Procedimiento para manipulacion de existencia.pdf
5646_Guia 3 - Buenas practicas y reduccion de riesgos.pdf
5646_Guia 4 - Procedimientos de GAA de PCB.pdf
5646_Guia 5 - Manejo Ambiental de PCB.pdf

Additionally, to support companies in PCB management, two manuals were prepared, diagrammed and printed:

5646_Kit and L2000DX analyzer manual.pdf
5646_PCB Information System Manual.pdf

2. Please list any **relevant knowledge management mechanisms / tools** that the project has generated.

5646_Bulletin Health and Safety against PCB.pdf
5646_Bulletin PCB Risks and Effects.pdf
5646_Bulletin Polychlorinated Biphenyls PCB.pdf
5646_SISIN Report January 2022.pdf
5646_SISIN Report February 2022.pdf
5646_SISIN Report March 2022.pdf
5646_SISIN Report April 2022.pdf
5646_SISIN Report May 2022.pdf
5646_SISIN Report June 2022.pdf

Link to the PCB Information System in Bolivia: http://snia.mmaya.gob.bo/web/modulos/pronacops/sinpcb/

VIII. Implementation progress

1. Using the previous reporting period as a basis, please provide information on **progress, challenges and outcomes achieved/observed** with regards to project implementation.

The implementation of the project activities during the reporting period has been a great challenge due to the political/social situation, and in part, due to the Pandemic, as well as the new lines and guidelines of the Government, which continued with the development of the main documents and activities to achieve the

expected results regarding the Environmentally Appropriate Management of PCBs.

With the change of government, companies and public institutions had changes in technical personnel, for which the PMU took the opportunity to inform about the project and train more technicians through virtual platforms, likewise, it was possible to carry out work shops to present the dissemination materials (Technical Guides, bulletins, general information on Appropriate Environmental Management of PCBs).

To continue with the activities of the Project, considering the 2022 work plan, a meeting of the Project Steering Committee was held where the extension of the Project was approved until December 2022, representatives of the institutions participated in the meeting, being the maximum authority the Vice Minister of Environment. At the meeting of the Steering Committee, the priorities of the project were reported to achieve all the objectives. This allowed the PMU to continue with the procedures until the PCB regulations and the National PCB Information System were approved. It is important to mention that the printing of the User Manual of the National PCB Information System has been carried out, but the training is pending due to the lack of designated personnel in each institution.

All the documents prepared by the PMU (Guidelines and Strategy for the Long-Term Treatment/Elimination of Polychlorinated Biphenyls - PCB) have been diagrammed and printed, so that can be delivered to company representatives, inspectors, professionals and the general public.

Official notes were sent to the Autonomous Departmental and Municipal Governments attaching Ministerial Resolution No. 727 approving the General Regulations for Environmental Management of PCB, for its application and compliance. Likewise, the schedule of previous field visits (preliminary inspections) to each company at the national level has been prepared, in a coordinated manner between the PCB Project and TREDI/INAMTRADES, which has been approved by the Vice Ministry of Environment.

All the necessary procedures and coordination have been carried out with each company for the inspections to verify the logistical aspects necessary for the collection of stocks with PCB.

Permanent coordination meetings were held with TREDI/INAMTRADES to program activities for the collection of stocks with PCBs from all companies at the national level. In addition, the collection schedule was developed and approved.

The PCB collection schedule by TREDI/INAMTRADES was worked on and is still in process, with the respective follow-up and monitoring of all scheduled activities.

All activities for the month of July are coordinated and ready to start. It is planned to carry out the closure of the Project until December 2022.

2. Please briefly elaborate on any **minor amendments**[5] to the approved project that may have been introduced during the implementation period or indicate as not applicable (NA).

Please tick each category for which a change has occurred and provide a description of the change in the related textbox. You may attach supporting documentation, as appropriate.

☒	Results Framework	*As mentioned before, at the Steering Committee meeting of the first quarter of 2020, with the participation of the Project*

[5] As described in Annex 9 of the *GEF Project and Program Cycle Policy Guidelines*, **minor amendments** are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5%.

		Manager, it was agreed and approved by all members that this Output 2.1 (Methods for PCBs analysis adopted and laboratories accredited for PCB analysis) would no longer be carried out due to the lack of Bolivian laboratories interested in the activity.
☐	Components and Cost	
☐	Institutional and Implementation Arrangements	
☐	Financial Management	
☒	Implementation Schedule	*Due to the last extension requested by the Vice-Ministry of Environment and approved by UNIDO, with the aim of adequately completing and achieving all the project objectives, an extension and rescheduling of the Work Plan were achieved until 12/31/2022. The new implementation schedule approved by the Steering Committee is attached.* *5646_Work plan 2022.pdf* *5646_Project Extension Letter.pdf*
☐	Executing Entity	
☐	Executing Entity Category	
☐	Minor Project Objective Change	
☐	Safeguards	
☐	Risk Analysis	
☐	Increase of GEF Project Financing Up to 5%	
☐	Co-Financing	
☐	Location of Project Activities	
☐	Others	

3. Please provide progress related to the **financial implementation** of the project.

The main financial expenses of the project are detailed below (SAP report attached):

1 International Consultants and National Consultants to support the project activities, coordination, communications and monitoring of the final disposal of PCB stocks. – Budget executed USD 68.583,51 + USD 69.933,37 = Total: USD 138.516,88

2 Local travels to support, coordinate and monitor the company TREDI/INAMTRADES in charge of collecting stocks contaminated with PCB. – Budget executed USD 11.082,49

3 Contractual Services for the company selected (TREDI) for the final stage of the project related to the collection and final Elimination/treatment of PCB stocks in Bolivia. – Budget executed USD 768.671,48

4 Equipment to some cost of equipment support. – Budget executed USD 93,86

5 Other direct costs were incurred for payments to UNDP, UNDSS and others. – Budget executed

USD 1.820,45

Note: For the reporting period, the Vice-Ministry of the Environment has not sent the budget execution. The report will be send in 2022 for the project closure. However, as reported in the previous report, UNIDO made three disbursements to the Ministry of Environment according to the contract signed.

Attached the following documents:
5646_ Project Delivery Report.pdf
5646_SAP Report July 2021 - June 2022.pdf

IX. Work Plan and Budget

1. Please provide **an updated project work plan and budget** for the remaining duration of the project, as per last approved project extension. Please expand/modify the table as needed.

GRANT DELIVERY REPORT

		Grant:	2000002972	Grant Status:	Authority to implement	Grant Validity:	12.01.2015 - 31.12.2022
		Sponsor:	400150 - GEF - Global Environment Facility	Currency:	USD	Reporting Period:	12.01.2015 - 20.07.2022
		Other Reference:	5646-U3-PJ-MS-GR-01	Fund:	GF	Prepared on:	20.07.2022
Project	**Project Description**	**Country**	**Region**	**Project Manager**			**Project Validity**
140296	ENVIRONMENTALLY SOUND MANAGEMENT OF POLYCHLORINATED BIPHENYL (PCB) - CONTAINING EQUIPMENT AND WASTES AND UPGRADE OF TECHNICAL EXPERTISE IN BOLIVIA	Bolivia	The Americas	Alfredo Hernan Cueva Jacome			01.02.2015 - 31.12.2022

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
140296											
140296-1-01-01	1. Regulatory and Institutional Capacity	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	79,930.00	20,875.33	14,165.09	35,040.42	124,270.41	124,270.41	79,380.83	44,889.58	0.00	79,380.83
1500	Local travel	0.00	0.00	0.00	0.00	10,539.95	10,539.95	10,539.95	0.00	0.00	10,539.95
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	20,566.04	20,566.04	20,566.04	0.00	0.00	20,566.04
2100	Contractual Services	0.00	0.00	0.00	0.00	133,360.90	133,360.90	133,360.90	0.00	0.00	133,360.90
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	4,130.81	4,130.81	4,130.81	0.00	0.00	4,130.81
3500	International Meetings	0.00	0.00	0.00	0.00	6,058.50	6,058.50	6,058.50	0.00	0.00	6,058.50
4500	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5100	Other Direct Costs	70.00	0.00	79.20	79.20	592.72	592.72	601.92	(9.20)	0.00	601.92
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23,530.50	23,530.50
140296-1-01-01	**Total**	**80,000.00**	**20,875.33**	**14,244.29**	**35,119.62**	**299,519.33**	**299,519.33**	**254,638.95**	**44,880.38**	**23,530.50**	**278,169.45**
140296-1-01-02	2. ESM of PCBs / Investment	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	20,331.20	13,748.40	4,649.62	18,398.02	70,382.48	70,382.48	68,449.30	1,933.18	0.00	68,449.30
1500	Local travel	16,230.09	6,297.56	9,018.78	15,316.34	16,230.09	16,230.09	15,316.34	913.75	0.00	15,316.34
1700	Nat.Consult./Staff	20,370.73	9,651.36	10,792.82	20,444.18	65,957.11	65,957.11	66,030.56	(73.45)	0.00	66,030.56
2100	Contractual Services	522,237.18	367,055.23	0.00	367,055.23	1,176,310.98	1,176,310.98	1,021,129.03	155,181.95	0.00	1,021,129.03
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	283.25	283.25	283.25	0.00	0.00	283.25
4500	Equipment	9.90	0.00	19.50	19.50	56,141.87	56,141.87	56,151.47	(9.60)	0.00	56,151.47
5100	Other Direct Costs	206.01	0.00	242.74	242.74	1,402.06	1,402.06	1,438.79	(36.73)	0.00	1,438.79
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116,252.12	116,252.12
140296-1-01-02	**Total**	**579,385.11**	**396,752.55**	**24,723.46**	**421,476.01**	**1,386,707.84**	**1,386,707.84**	**1,228,798.74**	**157,909.10**	**116,252.12**	**1,345,050.86**

* Does not include Unapproved Obligations

GRANT DELIVERY REPORT

Grant:	2000002972	Grant Status:	Authority to implement	Grant Validity:	12.01.2015 - 31.12.2022
Sponsor:	400150 - GEF - Global Environment Facility	Currency:	USD	Reporting Period:	12.01.2015 - 20.07.2022
Other Reference:	5646-U3-PJ-MS-GR-01	Fund:	GF	Prepared on:	20.07.2022

Project	Project Description	Country	Region	Project Manager	Project Validity
140296	ENVIRONMENTALLY SOUND MANAGEMENT OF POLYCHLORINATED BIPHENYL (PCB) - CONTAINING EQUIPMENT AND WASTES AND UPGRADE OF TECHNICAL EXPERTISE IN BOLIVIA	Bolivia	The Americas	Alfredo Hernan Cueva Jacome	01.02.2015 - 31.12.2022

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
140296-1-51-02	Project Management Costs	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	44.14	44.14	44.14	0.00	0.00	44.14
1500	Local travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700	Nat.Consult./Staff	42,964.32	21,014.68	21,904.61	42,919.29	218,883.26	218,883.26	218,838.23	45.03	0.00	218,838.23
2100	Contractual Services	0.00	0.00	0.00	0.00	8,962.43	8,962.43	8,962.43	0.00	0.00	8,962.43
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4500	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5100	Other Direct Costs	0.00	0.00	39.54	39.54	3,530.26	3,530.26	3,569.80	(39.54)	0.00	3,569.80
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21,972.73	21,972.73
140296-1-51-02	Total	42,964.32	21,014.68	21,944.15	42,958.83	231,420.09	231,420.09	231,414.60	5.49	21,972.73	253,387.33
140296-1-53-01	Monitoring and Evaluation Framework	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	28.77	28.77	28.77	0.00	0.00	28.77
1500	Local travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	62,046.22	62,046.22	62,046.22	0.00	0.00	62,046.22
2100	Contractual Services	17,794.13	0.00	0.00	0.00	17,794.13	17,794.13	0.00	17,794.13	0.00	0.00
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5100	Other Direct Costs	0.00	0.00	0.00	0.00	2,483.62	2,483.62	2,483.62	0.00	0.00	2,483.62
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,133.14	6,133.14
140296-1-53-01	Total	17,794.13	0.00	0.00	0.00	82,352.74	82,352.74	64,558.61	17,794.13	6,133.14	70,691.75
140296	Total	720,143.56	438,642.56	60,911.90	499,554.46	2,000,000.00	2,000,000.00	1,779,410.90	220,589.10	167,888.49	1,947,299.39
2000002972	USD Total	720,143.56	438,642.56	60,911.90	499,554.46	2,000,000.00	2,000,000.00	1,779,410.90	220,589.10	167,888.49	1,947,299.39

* Does not include Unapproved Obligations

The above statement has been certified electronically by the designated officials in UNIDO's department of finance.

*The new **work plan** (according to the las project extension) is below and attached (file: 5646_Workplan 2022.pdf)*

CRONOGRAMA Y PLAN DE TRABAJO 2022
(Actualizado) PROYECTO PCB´s – PRONACOP´s

Nº	ACTIVIDADES	RESULTADOS	RESPONSABLES	2022											
				1	2	3	4	5	6	7	8	9	10	11	12
1	Convocatoria a reunión (Extraordinaria) del Comité Directivo del Proyecto; desarrollo de reunión del CDP del proyecto	Aprobación de la Extensión del Proyecto PCB mediante Acta de Reunión	PROYECTO PCBs												
2	El VMABCCGDF, remite nota a la ONUDI solicitando la extensión del proyecto.	Nota de solicitud de Extensión del Proyecto PCBs entregada a ONUDI	PROYECTO PCBs PRONACOPs												
3	ONUDI -Vienna remite nota aprobando la Extensión del Proyecto PCBs en Bolivia.	Nota aprobando de Extensión del Proyecto PCBs entregada al VMABCCGDF	PROYECTO PCBs ONUDI												
4	Gestiones internas en el MMAyA-VIPFE y cumplimiento de procedimientos para la ampliación de vigencia del proyecto PCBs	Documentación aprobada en el VIPFE de la vigencia del proyecto	PROYECTO PCBs												
5	Reunión de coordinación con la empresa contratada para la Eliminación de PCB	Plan de trabajo presentado por la empresa TREDI	EMPRESA INTERNACIONAL - PROYECTO PCBs												
6	Reunión inicial de coordinación con cada una de las empresas que son parte del proyecto para el proceso de trabajo con la empresa que realizara el tratamiento y/o eliminación de existencias con PCBs	Actas de reuniones con cada una de las empresas que son parte del proyecto	PROYECTO PCBs												
7	Aprobación del Plan y Cronograma para el proceso de preparación para el posterior Tratamiento/Eliminación de hasta 400 Ton.	Plan y cronograma a nivel Nacional de Tratamiento/ Eliminación de las existencias identificadas aprobada.	PROYECTO PCBs												
8	Trabajo coordinado con todas las empresas para el proceso de entrega de las existencias con PCBs de cada empresa que es parte del proyecto y recojo por parte de la empresa contratada para llevarlos al punto de acopio.	Existencias con PCBs entregadas, recogidas y dispuestas en el punto de acopio idetificada para el trabajo	ONUDI - PROYECTO PCBs - EMPRESAS												
9	Procedimiento de notificación y movimiento transfronterizo en el marco del convenio de Basilea.	Paises notificados y que aceptan el movimiento transfronterizo	PRONACOPs - EMPRESA CONTRATADA												
	Proceso de eliminación de PCBs	Certificados de tratamiento / eliminación de existencias con PCBs	ONUDI - PROYECTO PCBs												
	10.1- Plan de trabajo/Plan de Manejo Ambiental	Plan de trabajo/Plan de Manejo Ambiental aprobado	EMPRESA INTERNACIONAL												
	10.2- Preparacion de doumentación y presentacion de Notificación según el Convenio de Basilea	Documentos aprobados	EMPRESA INTERNACIONAL												
	10.3- Preparación,actualización y obtencion de permisos ambientales aduaneros y otros	Documentos actualizados	EMPRESA INTERNACIONAL												

10	10.4- Diseño, planificación y coordinar para la recolección y transporte de residuos de PCB a Planta Santa Cruz: Vaciado de transformadores/envasado de aceites. 10.4.1 - Almacenamiento temporal de residuos de PCB para exportación	cronograma de recolección de existencias con PCBs consensuado	ONUDI - PROYECTO PCBs - EMPRESAS - EMPRESA INTERNACIONAL - PRONACOPs
	10.5- Decloración y descontaminación de transformadores	Existencias preparadas para su posterior eliminación	EMPRESA INTERNACIONAL
	10.6- Proceso de Exportación	registros de exportación	EMPRESA INTERNACIONAL
11	Seguimiento a todo el proceso de tratamiento y/o eliminación de PCBs en Bolivia.	Informe de seguimiento al proceso de tratamiento / eliminación de existencias con PCBs de empresas que son parte del proyecto.	ONUDI - PROYECTO PCBs
12	Reuniones permanentes de coordinación con cada una de las empresas que son parte del proyecto para el proceso de preparación, transporte y acopio hasta su posterior tratamiento y/o eliminación de existencias con PCBs	Actas de reuniones con cada una de las empresas que son parte del proyecto	PROYECTO PCBs
13	Revisión de informe final de tratamiento y/o eliminación presentado por la empresa contratada	Informe final del tratamiento y/o eliminación de existencias presentado por la empresa contratada para el servicio	ONUDI - PROYECTO PCBs
14	Taller de presentación de resultados para el cierre del proyecto.	Lista de participantes	PROYECTO PCBs
15	Preparación de documentación para el cierre del proyecto.	Documentos de respaldos	PROYECTO PCBs
16	Desarrollo del Informe final del proyecto.	Informe final del proyecto	PROYECTO PCBs
17	Presentación de Informe y Cierre del Proyecto	Informe presentado	PROYECTO PCBs

Actividades a ser realizadas por el proyecto
Actividades a ser realizadas por TREDI

X. Synergies

1. **Synergies** achieved:

There were meetings and communications with all companies to work together for the collection and final elimination of PCB in Bolivia. All companies were very interested in help, especially in the collection. In this regard, the project team had many meetings to coordinate and finally, the companies helped in the collection of equipment and oils contaminated with PCB which were in areas quite remote and difficult to access.

3. Stories to be shared (Optional)

Please provide a brief summary of any especially interesting and impactful project results that are worth sharing with a larger audience, and/or investing communications time in. Please include links to any stories/videos available online.

There was an event (beginning of the collection of stocks contaminated with PCB) of great importance in Tarija, which Tarija´s Mayor's Authority led. The event had the participation of the Vice Minister of Environment, the technical team of the project and a large number of technicians. In addition, for its dissemination, the event was video-recorded by national channels in charge of Tarija Mayor's Office, where the importance of the project was highlighted in relation to PCB Environmentally Sound Management and Human Health.

EXPLANATORY NOTE

1. **Timing & duration:** Each report covers a twelve-month period, i.e. 1 July 2021 – 30 June 2022.

2. **Responsibility:** The responsibility for preparing the report lies with the project manager in consultation with the Division Chief and Director.

3. **Evaluation:** For the report to be used effectively as a tool for annual self-evaluation, project counterparts need to be fully involved. The (main) counterpart can provide any additional information considered essential, including a simple rating of project progress.

4. **Results-based management**: The annual project/programme progress reports are required by the RBM programme component focal points to obtain information on outcomes observed.

Global Environmental Objectives (GEOs) / Development Objectives (DOs) ratings	
Highly Satisfactory (HS)	Project is expected to achieve or exceed all its major global environmental objectives, and yield substantial global environmental benefits, without major shortcomings. The project can be presented as "good practice".
Satisfactory (S)	Project is expected to achieve most of its major global environmental objectives, and yields satisfactory global environmental benefits, with only minor shortcomings.
Moderately Satisfactory (MS)	Project is expected to achieve most of its major relevant objectives but with either significant shortcomings or modes overall relevance. Project is expected not to achieve some of its major global environmental objectives or yield some of the expected global environmental benefits.
Moderately Unsatisfactory (MU)	Project is expected to achieve some of its major global environmental objectives with major shortcomings or is expected to achieve only some of its major global environmental objectives.
Unsatisfactory (U)	Project is expected not to achieve most of its major global environmental objectives or to yield any satisfactory global environmental benefits.
Highly Unsatisfactory (HU)	The project has failed to achieve, and is not expected to achieve, any of its major global environmental objectives with no worthwhile benefits.

Implementation Progress (IP)	
Highly Satisfactory (HS)	Implementation of all components is in substantial compliance with the original/formally revised implementation plan for the project. The project can be presented as "good practice".
Satisfactory (S)	Implementation of most components is in substantial compliance with the original/formally revised plan except for only few that are subject to remedial action.
Moderately Satisfactory (MS)	Implementation of some components is in substantial compliance with the original/formally revised plan with some components requiring remedial action.
Moderately Unsatisfactory (MU)	Implementation of some components is not in substantial compliance with the original/formally revised plan with most components requiring remedial action.
Unsatisfactory (U)	Implementation of most components in not in substantial compliance with the original/formally revised plan.
Highly Unsatisfactory (HU)	Implementation of none of the components is in substantial compliance with the original/formally revised plan.

Risk ratings	
Risk ratings will access the overall risk of factors internal or external to the project which may affect implementation or prospects for achieving project objectives. Risk of projects should be rated on the following scale:	
High Risk (H)	There is a probability of greater than **75%** that assumptions may fail to hold or materialize, and/or the project may face high risks.
Substantial Risk (S)	There is a probability of between **51%** and **75%** that assumptions may fail to hold or materialize, and/or the project may face substantial risks.
Moderate Risk (M)	There is a probability of between **26%** and **50%** that assumptions may fail to hold or materialize, and/or the project may face only moderate risk.
Low Risk (L)	There is a probability of up to **25%** that assumptions may fail to hold or materialize, and/or the project may face only low risks.