



**FEDERAL MINISTRY OF ENVIRONMENT**  
**HYDROCARBON POLLUTION REMEDIATION PROJECT (HYPREP)**

**ACTIVITIES REPORT FOR  
DECEMBER 2022**

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## **LIST OF ABBREVIATIONS**

ACE-PUTOR -	African Center of Excellence for Public Health and Toxicological Research
BOT -	Board of Trustees (BOT)
CAN -	Christian Association of Nigeria
CRAC -	Central Representative Advisory Committee
FGN -	Federal Government of Nigeria
GC -	Governing Council
HYPREP -	Hydrocarbon Pollution Remediation Project
IAMRAT -	Institute for Advanced Medical Research and Training
LGA -	Local Government Area
NUOS -	National Union of Ogoni Students
OPA -	Ogoni Peoples' Assembly
PCO -	Project Coordination Office
QAQC -	Quality Assurance and Quality Control
SCAT -	Shoreline Clean-up Assessment Technique
SPDC -	Shell Petroleum Development Company of Nigeria
UNEP -	United Nations Environmental Program
ZRC -	Zonal Representative committee

## 1.0 BACKGROUND

The Federal Government of Nigeria (FGN) commissioned the United Nations Environmental Program (UNEP) to conduct an independent environmental assessment of Ogoniland in 2006. The UNEP report 'Environmental Assessment of Ogoniland', was submitted to the FGN in August 2011. The report had recommendations for the Nigerian Government, Oil companies (with operational interest in Ogoniland) and the Ogoni community. One of the key recommendations is for the Government to establish a body with the mandate to oversee the implementation of the UNEP report. The Hydrocarbon Pollution Remediation Project (HYPREP) was therefore established in July 2012 under the Ministry of Petroleum as the vehicle for implementing the UNEP report recommendations, but the initial efforts by HYPREP were less than successful thus the organization soon became moribund.

In June 2016, the FGN flagged off the Ogoniland Clean-up Campaign at Patrick Waterside, Bodo. A restructured HYPREP was established under the Federal Ministry of Environment (FMEnv) with a governance structure comprising of the Governing Council (GC), Board of Trustees (BOT), and Project Coordination Office (PCO) as stipulated in the Gazette.

As recommended in the UNEP report, the initial scope of projects and programs to be implemented by HYPREP are to cover the following key areas:

- **Environmental Remediation:** Clean-up of the hydrocarbon-impacted sites, restoration of artisanal refining sites and any other identified polluted sites in the report including the clean-up of contaminated land, treatment of contaminated sediments, decontamination of groundwater, treatment of surface water, restoration of swamplands, mangrove restoration and rehabilitation, surveillance, and monitoring during and following clean-up operations in Ogoniland.
- **Potable Water Supply:** Provision of safe and alternative drinking water for communities whose water sources were contaminated by hydrocarbon pollution and the rehabilitation of selected existing water supply schemes amongst the eight (8) Emergency Measures that warranted immediate action.
- **Alternative Livelihoods:** Sustainable alternative livelihood programs for the Ogonis particularly those engaged in artisanal refining and oil bunkering, as well as other initiatives to address the socioeconomic impacts of oil pollution.

- **Public Health Assessments:** Investigations and evaluations of the nature, scope, and scale of impacts of hydrocarbon pollution on the health of the Ogoni people, and programs to monitor, mitigate and remedy the impact.

This report summarizes all the activities undertaken by the technical units of HYPREP in December 2022

## 2.0 ENVIRONMENTAL REMEDIATION UNIT

The activities carried out by the Environmental Remediation Unit in 2022 include:

- Monitoring and Supervision of Remediation Works
- Shoreline Characterization and Chemical Sampling

### 2.1 Monitoring and Supervision of Remediation Works

Monitoring and Supervision of remediation works/activities were done on the two (2) Lots/Sites yet to complete active remediation works. They are:

1. Lot 032 at B. Dere / Gio in Gokana / Tai LGA (**Contractor:** Mosito Environmental Ltd).
2. Lot 052 at Okuluebu, Ogale in Eleme LGA (**Contractor:** Montego Upstream Services Ltd).

Below is the status of the remediation works carried out by these Contractors.

#### 2.1.1: Status of Remediation Works at Lot 032 – B. Dere / Gio, Gokana L.G.A

The remediation work is at 95% completion (Figure 2.1-2.2). Remediation works such as excavation, treatment and backfilling have been completed on all sections of the impacted area (Plate 2.1). Demobilization and decommissioning of site facilities are currently ongoing (Plate 2.2). The Site/Lot is set for the next batch of Regulatory Closeout /Certification processes.

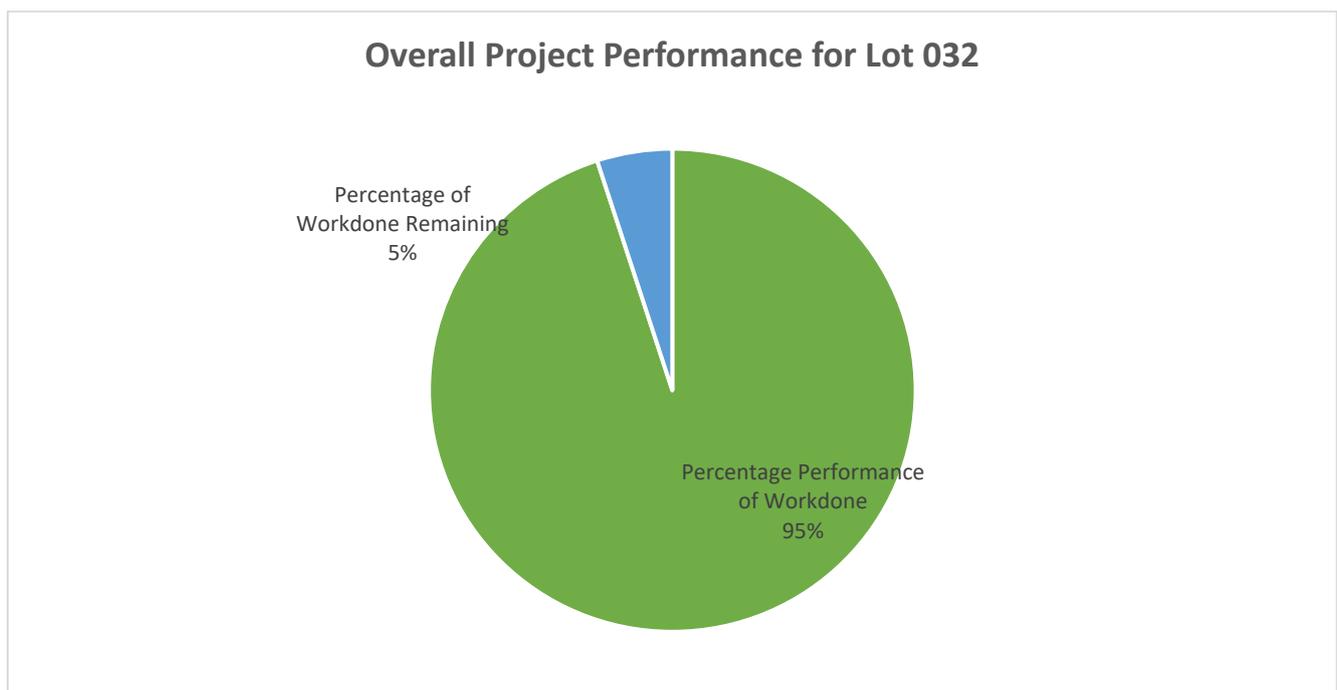


Figure 2.1: Graphical Representation of the Overall Remediation Performance for Lot 032 as at end of November 2022.

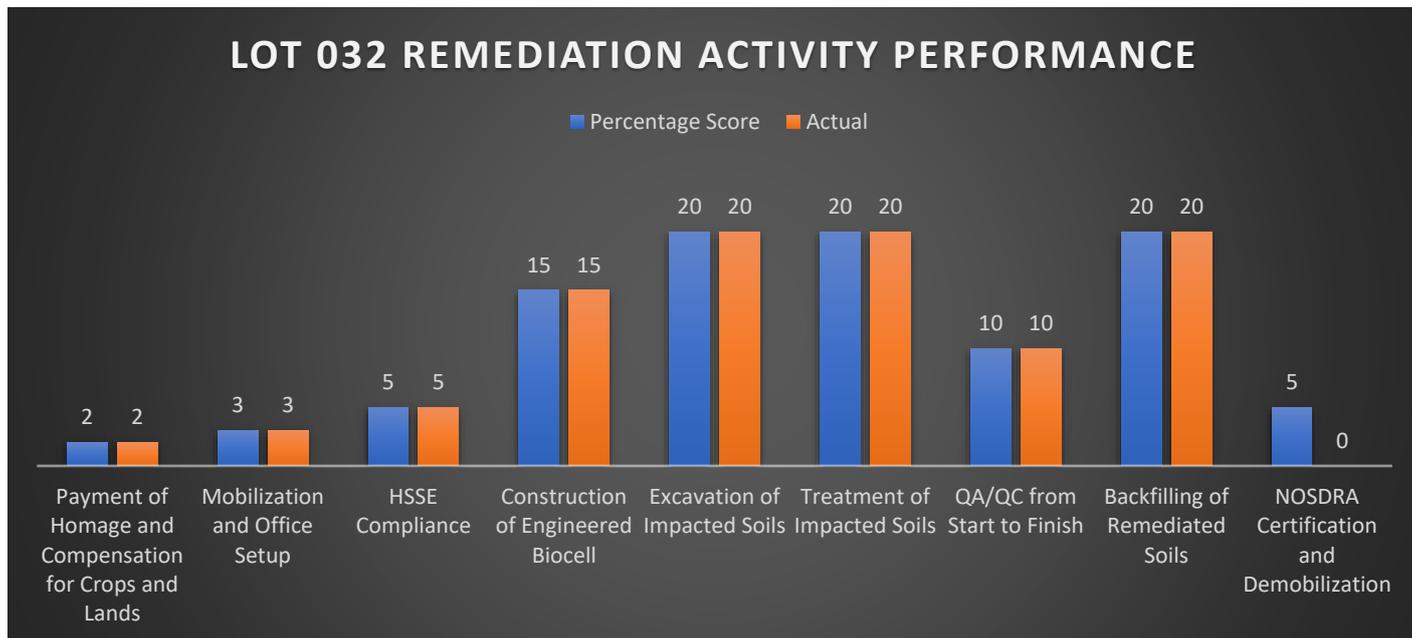


Figure 2.2: Graphical Representation of Lot 032 Remediation Activity Performance as at end of November 2022. (Total Score of Actual Work Done = 95 out of 100).



Plate 2.1: Overview of the Backfilled Area at Lot 032 B. Dere / Gio in Gokana / Tai LGA  
(Contractor: Mosito Environmental Ltd)



Plate 2.2: Decommissioning and Demobilization of Biocell Ongoing

### 2.1.2 Status of Remediation Works at Lot 052 – Okuluebu, Ogale Eleme LGA (Montego Upstream Services Ltd)

The remediation work at Lot 052 is still at 65% completion. No major activity was carried out by the contractor for this month. Excavation of the impacted area has been completed. Treatment of the impacted soils is still on-going.

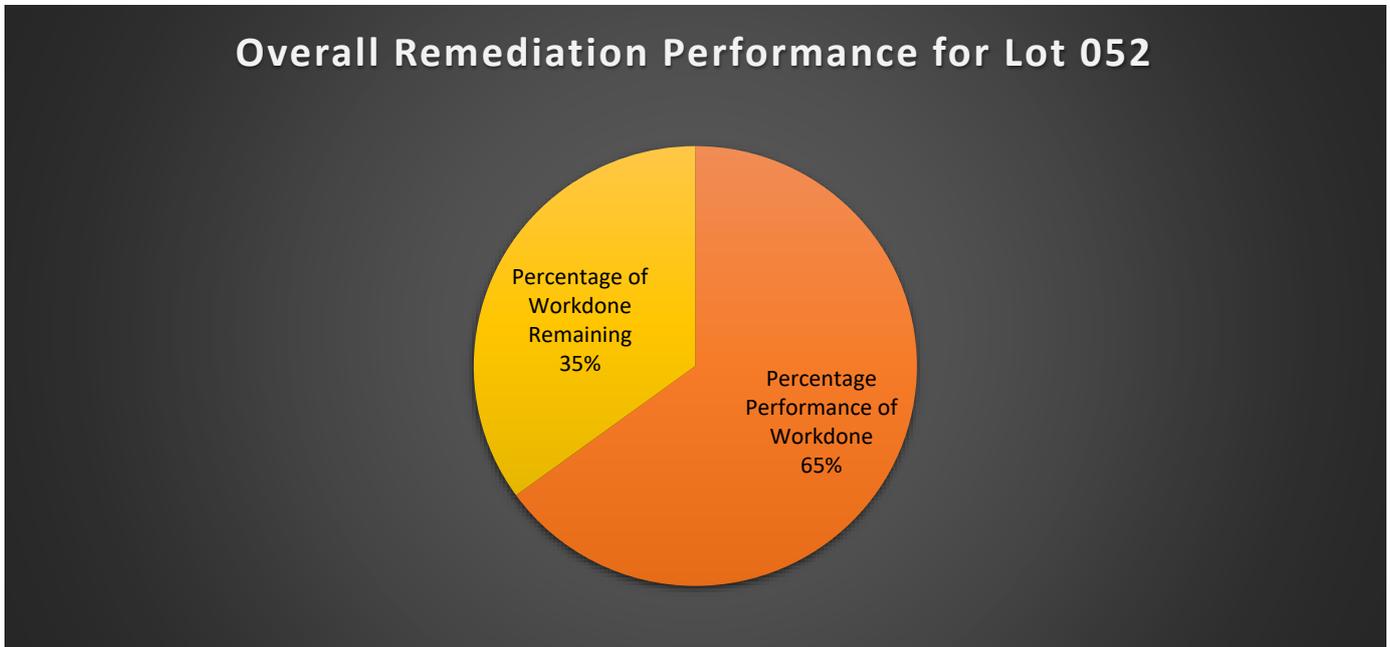


Figure 2.3: Graphical Representation of the Overall Remediation Performance for Lot 032 as at October 2022.

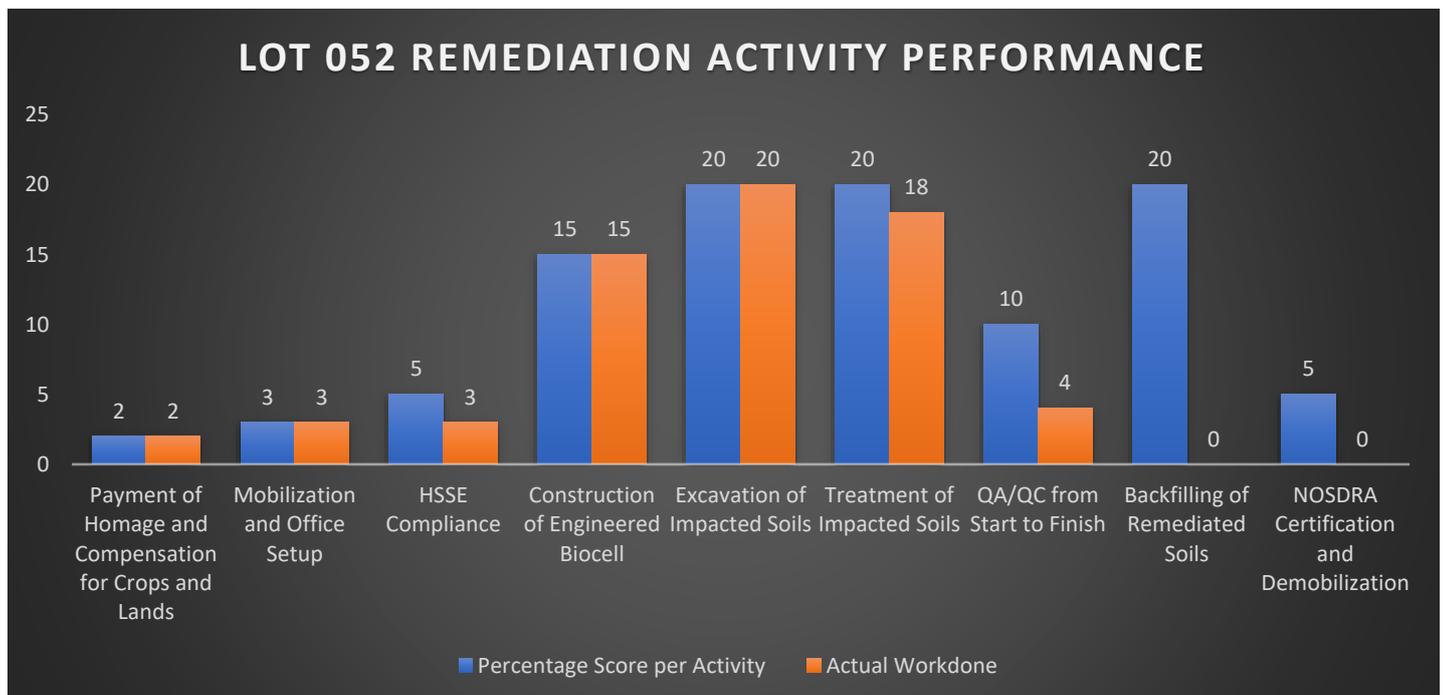


Figure 2.4: Graphical Representation of Lot 052 Remediation Activity Performance as at end of October 2022. (Total Score of Actual Work Done = 65 of 100).

## 2.2 SHORELINE CLEAN-UP AND MANGROVE RESTORATION

In an effort to start implementing the UNEP recommendations with respect to cleaning up shorelines and restoring mangroves, HYPREP in her 2021 work plan, proposed conducting Pre-SCAT assessments in the affected Ogoni coastal communities in Gokana, Khana, Tai, and Eleme Local Government Areas. The Shoreline Clean-up and Mangrove Restoration Team then conducts a thorough study (shoreline characterization) of the hydrocarbon-impacted shorelines in order to get quantitative scientific data on the levels of coastal contamination. The Pre-SCAT field activities has been concluded in B-Dere, K-Dere and Kpor.

The team commenced its field activities on Tuesday, 29th November, 2022 in B- Dere Community and later proceeded to K-Dere and Kpor communities respectively. All communities are in Gokana LGA, Rivers State. The team's mission was to conduct a detailed assessment (shoreline characterization) on the hydrocarbon impacted shoreline in Communities where Pre-SCAT activities has been completed using a Vibro-Coring Tripod Rig to collect sediment and soil samples from the work area.

The Pre-SCAT field activity for the month of December was carried out in Bomu communities in Gokana LGA. The team assessed a total of 49 grids (200m X 200m) covering an area of 196 hectares within the community. The assessed grids are along shorelines, channels, mud flats and degraded mangrove platforms.

**Table 2.1: Details of coring points per community**

S/N	Community	No of zones	No of coring points
1.	B-Dere	5	26
2.	K-Dere	6	32
3.	Kpor	1	3
<b>TOTAL</b>		<b>12</b>	<b>61</b>



Plate 2.3: Toolbox Meeting



Plate 2.4: Equipment offloading prior to set up.



Plate 2.5: Core Retrieval Process in Operation Plate 2.6: Pulling out of the Cores from the barrels



Plate 2.7: Vibro-coring/Boring operation and Characterization. Plate 2.8: Cut Cores labelled, containerized and prepared for sampling.

### 2.2.1 Shoreline characterisation and chemical sampling

After the SCAT Survey was completed in several settlements in the Gokana LGA, the necessity for Shoreline Characterization and Chemical Sampling arose to determine the level of contamination up to the maximum accessible depths in B-Dere, K-Dere and Kpor Communities of Gokana LGA.

The quality assurance and quality control (QAQC) team participated in the Shoreline Characterization and Chemical Sampling of the SCAT activity. The assessed grids were mapped into Zones which are along shorelines, channels, mud flats and degraded mangrove platforms.

The QAQC Team was actively involved from the coring to the sample collection processes. Vibro-coring technique was used, where three (3) and two (2) inches pipes were cored for sample collection. The depth of 5.00m was unattainable due to refusal met at depth characterized with sharp sand.

Inclusive, samples were collected at depths of 0.00-0.3cm (Composite), 0.5m, 1.00m, 2.00m, 3.00, 3.80m. Blank Samples were also collected randomly per core, while duplicate samples were collected and sent off to an International Laboratory for analysis.



Plate 2.9: Setting up of Drilling Rig for Vibro-coring.



Plate 2.10: Sample collection by QAQC Personnel at B-Dere Community, Gokana LGA.



Plate 2.11: Sample collection at B-Dere collection at Base.



Plate 2.12: Cutting of Cores for sampling

### 3.0 PUBLIC HEALTH

#### 3.1 HYPREP PUBLIC HEALTH STUDIES PROPOSAL DEVELOPMENT WORKSHOP

A four-day Public Health Studies proposal development workshop was held from Tuesday, 6<sup>th</sup> December to Friday, 9<sup>th</sup> December 2022. The purpose of the workshop was to provide the African Center of Excellence for Public Health and Toxicological Research (ACE-PUTOR) and Institute for Advanced Medical Research and Training (IAMRAT), the two HYPREP-selected consulting public health research institutions, with an opportunity to present the proposal draft to HYPREP for final revisions before submission to the HYPREP Governing Council Committee on Public Health.

The participants of the workshop consisted of team members from the research institutes, HYPREP Public Health Unit consultants for the studies, members of the HYPREP Public Health Unit, the HYPREP Project Coordinator as represented by the Director of Technical Services and members of the Governing Council Committee on Public Health as observers.

On the third day of the workshop, two of the key stakeholders in the activity, the Shell Petroleum Development Company of Nigeria (SPDC) and the Rivers State Ministry of Health, were invited. They received updates on the workshop's progress and were given the opportunity to provide feedback. Additionally invited to provide insightful counsel in their fields of expertise were the heads of the HYPREP procurement and legal units. The revised plan was presented to the Governing Council Committee on Public Health at the conclusion of the workshop.



Plate 3.1: HYPREP Public Health Studies proposal development workshop

## 4.0 LIVELIHOOD PROGRAM

### 4.1 INTRODUCTION

The activities of the Livelihood unit in December 2022 are covered in this report. This includes follow-up visits to environmental clubs and evaluation of verified businesses identified on the Needs Assessment form for the four (4) LGAs, among other things.

#### 4.1.1 FOLLOW-UP VISITS TO ENVIRONMENTAL CLUBS

To educate and engage the students in the environmental club at Bodo City Girls School in Gokana LGA during the month of December 2022, the Livelihood unit and the Public Health team paid a visit to the school.

The interactive session covered the effects of artisanal refining on the environment, personal health, and human well-being generally. Pictures of victims of artisanal refining hazards were displayed to emphasize the dangers of air pollution. Students were allowed to ask questions and encouraged to sensitize members of their communities on the ills of artisanal refining.



Plate 4.1: Livelihood officials and Public Health in a session with the students.

#### 4.1.2 PRICE NEGOTIATION WITH TRAINING CONTRACTORS

The Livelihood Unit and the Procurement Unit invited rated training companies for price negotiations in December 2022 and provided briefings on the prior price harmonization efforts. On Monday, December 12, 2022, additional written communication with the companies was sent. All the companies have subsequently conveyed their acceptance in writing, of the revised prices offered them.

## **5.0 STAKEHOLDERS ENGAGEMENT UNIT**

### **5.1 Sensitization programme for Ex-artisanal refiners in Khana**

On December 31, 2022, a day-long mega-sensitization workshop for Ogoni ex-artisanal refiners was held by the Stakeholders Engagement Unit, LGA Leadership of the Ex-Artisanal Refiners, and the Livelihood unit. The function took place in Khana LGA, Rivers State, at Bori Nortem Hall.

The initiative was utilized to inform and persuade former artisanal refiners to stop their unlawful refining and pollution-creating operations. There were goodwill messages, seminars and presentations by LGA leaders of the ex- artisanal refiners on the plan of HYPREP to provide alternative means of livelihood for Ogoni youths. The leaders, further charged participants to take the sensitization against illegal refining and re-pollution activities to their communities. Stakeholders and participants were drawn from the four Local Government Areas of Ogoniland.

### **5.2 CHRISTMAS PACKAGES TO STAKEHOLDERS**

Again, HYPREP in maintaining a cordial and good working relationship in her operational areas, engaged the Stakeholders Engagement Unit to give Christmas presents and packages to Ogoni Traditional institutions, impacted community Chiefs, Christian Association of Nigeria (CAN), People Living with Disabilities, National Union of Ogoni Students (NUOS) members of Ogoni Peoples' Assembly (OPA), as well as both present and former members of GC and BoT, GBOKABARI, KAGOTE, CRAC, ZRC, and other critical Stakeholders including Chiefs and Elders of Rumuomasi community.

## **6.0 PROCUREMENT**

The Procurement Unit successfully carried out the under-listed activities:

- I. Financial bid opening ceremony for Construction of Center of Excellence for Environmental Restoration (CoEER);
- II. Financial evaluation of documents for Construction of Center of Excellence for Environmental Restoration (CoEER);
- III. Finalization of Report on Construction of Center of Excellence for Environmental Restoration (CoEER);
- IV. Federal Executive Council (FEC) approval on Remediation of Simple Hydrocarbon Impacted Sites in Ogoniland;
- V. Finalization of Report on HYPREP Vital Projects;
- VI. Price negotiation for Engagement of Service Providers for Livelihood Sundry Trainings; and
- VII. Finalization of Report on Engagement of Service Providers for Livelihood Sundry Trainings.