**SCOPE OF WORK**

|  |  |
| --- | --- |
| **Project:** | **RENOVATION/UPGRADING OF 10 GOVERNMENT SCHOOLS (BLOCK OF CLASSROOMS) FOR ASPIRE PROJECT IN SOKOTO & BAUCHI STATE. NIGERIA.** |
| **Project Location:** | 1. Renovate/Upgrade 10 Government Schools across 10 LGAs in Bauchi and Sokoto State. Women centre for continue education, GDSS Kalambaina, GSS More, GDSS Sifawa and AA Raji Special school of Sokoto State. GGSS Liman KTG, GSS Ningi, GJSS Hardawa North, GSSS Darazo and GDSS Madara of Bauchi State |

**Summary**

Plan International Canada proposes the 5-year Adolescent SRHR in Nigeria (ASPIRE) project. ASPIRE’s ultimate outcome is to improve the realization of SRHR for adolescent girls and women, including vulnerable populations, in Bauchi and Sokoto states. It aims to break down the inter-generational cycle of poverty by empowering adolescent girls with knowledge and social capital, reducing GBV, advancing women and girls’ health, rights and equality, supporting women’s economic opportunities, and increasing household income. For example, studies have shown that while higher economic solvency can reduce exposure to GBV, results can be mixed (Abramsky, 2019). Thus, ASPIRE’s integrated approach recognizes that multiple dimensions of poverty are interrelated, and solutions must be holistic, addressing economic empowerment, education, GBV and socio-cultural norms to have positive and sustainable outcomes. The gender-transformative ASPIRE project will take a rights-based, inclusive approach in which all persons regardless of ability, age, gender identity, sexual orientation or religion have improved agency and access to health and protection services. ASPIRE will directly target adolescent girls aged 10-19 and young women aged 20-24 in ten Local Government Areas (LGAs) of Bauchi state and 23 LGAs in Sokoto state. ASPIRE will build on Plan International’s experience, lessons learned and strong local relationships implementing the health-related BORN project (Bauchi) and SHOW project (Sokoto) in partnership with Global Affairs Canada (GAC), but with a greater emphasis on ASRHR. SHOW demonstrated that it is possible to proactively change the unequal power relations that keep women and girls from exercising their health-related rights (Plan Canada, 2019a). BORN saw a significant shift in attitudes towards women’s participation and leadership in public decision-making in a heavily patriarchal context, pointing not only to a greater acceptability of women in public spaces, but an increase in the confidence and capacities of women to take up public positions (Plan Canada, 2019b). These projects are evidence that ASPIRE can evolve and expand the access of vulnerable adolescent girls and women to quality SRH services. Both projects also demonstrated how adopting a gender-transformative approach, addressing gender inequality at the household, community and institutional levels, has resulted in improved health outcomes in addition to gender outcomes.

Rehabilitation/Upgrading of 10 nos schools to Improve learning space (Block of classrooms) and create an adolescent friendly safe space for girls and boys in Project`s implementing locations in Bauchi and Sokoto State.

**General Requirements**

The contractor must be a registered building or civil engineering company licensed to work in Nigeria. Interested firms must have carried out construction works of a similar nature preferably in the northeast of Nigeria.

The contractor must possess strong technical knowledge of materials, methods, and the tools involved in the designs, construction, maintenance and repair of buildings; the behavior of structures under distress, including mitigation measures in accordance with the international standards for the construction industry.

The contractor shall provide all skilled and unskilled labor, materials, equipment, tools, transportation, and technical supervision at all times on the project site. The contractor must carry out all works in accordance with this statement of work, read in conjunction with specifications, bill of quantities, and drawings provided by Plan International. The contractor must adhere to the stipulated specifications, standards, and recommendations to ensure that at the completion of the project, there are no significant adverse impacts to the environment.

The contractor shall be responsible for verifying the specifications. If the contractor determines that any specification may result in structurally unsound, aesthetically deficient, or dysfunctional work, it is the contractor’s responsibility to notify Plan International for deliberation and adoption of a suitable alternative specification – failure to do so may lead to contractual penalties, up to and including contract termination.

The contractor shall document work progress pictorially and provide the same to Plan International alongside daily, weekly, and other periodic site or milestone reports made to Plan International’s Engineer.

**Objectives**

* Contractor shall determine the method, details, and means of completing the project in the method of performing services and agrees to devote the required personnel including engagement of local labor for the unskilled services for the benefit of the community.
* Supply all tools and instruments, equipment, and all building and installation materials for the project, including but not limited to Measuring and Work tools, Reinforcements, Sand Crete Blocks, Ordinary Portland Cement, Tiles, Roofing Sheets, Ceiling Boards, Aggregates (fine and coarse), Water Supply (including potable water for the consumption of personnel), Ridge Caps, Eaves Trimmers, Electrical and Plumbing equipment and fittings, Paint (for the structure, fascia and metal works), Doors and Windows, and other building materials as may be required. Upon arrival of materials, the contractor shall offload at the designated location and protect all materials from exposure to the elements until they are put to use.
* Carefully remove all damaged/defective wall sections, concrete sections and structural members from the structure, inclusive of the removal of damaged plasters and floor finishes.
* Remove all damaged doors, windows, electrical fittings/fixtures, plumbing pipes and sanitary wares.
* Where applicable, set-out and excavate trenches for the foundation of new walls and columns at such grids as directed by the Plan International’s Engineer.
* Construct/re-construct the new/damaged walls, lintels, roof beams and overhead courses as required, and all the spaces that require covering with new blocks as specified.
* Mend all structural and hairline cracks and holes in all the structures using appropriate materials such as cement grout, putty filler etc.
* Plaster all wall surfaces smoothly in preparation to receive painting. Plaster and render both internal and external wall surfaces of block work with sand/cement mix of 1:5 of all structures as required. All plaster and screed works shall be smooth and regular while all angles and edges are well dressed, straight and chamfered.
* Install the roof structure to specification and Engineer’s instruction. Install aluminum roofing sheet, in accordance with manufacturer’s instruction (the color must be compatible with the existing roof or in accordance with the Engineers direction)
* Install the ceiling boards.
* Treat all structures for termite infestation as required, ensure standard protective measures are taken to prevent future occurrences.
* Carry out the complete installation of electrical piping, fittings, and fixtures as required according to specifications and the engineer’s instructions.
* Evacuate and disinfect old soak-away pits and septic tanks as directed by Plan International’s Engineer.

Excavate and build a new soak away and septic tank to standard specification for all structures requiring plumbing facilities where necessary.

* Carry out complete installation of all plumbing works, piping, fittings, and fixtures as required to specification and Engineer’s instruction. Install all sanitary wares with fittings to include water closets and wash hand basins.
* Screed the floor in preparation to receive terrazzo. Cast terrazzo floor according to specification and Engineer’s instruction. Lay wall tiles for the toilet walls, baths and where applicable, according to specification and Engineer’s instruction.
* Install doors and windows to specifications as well as burglar screens to all the windows; smoothen doors and window frame areas and dress neatly as appropriate.
* Complete all remaining screed/plaster works to an acceptable smooth finish and paint all required interior and exterior surfaces using the required paint to approved quality and color in line with the Plan International Engineer’s instruction.
* Test electrical installations, fixtures, and fittings to ensure functionality.
* Carry out the cleaning of the structures, site clearing, and disposal of construction waste offsite.
* Prepare project completion notes and handover.

**Work Groups**

1. **Concreting/Masonry**

* Contractor shall ensure mixing of materials for mortar and concrete are in the specified mix ratios respectively using only Ordinary Portland Cement.
* Contractor shall make use of high-quality steel reinforcements for all reinforced concrete works as specified, with steel bars worked by a skilled steel fixer in conformance with BS4449.
* Contractor shall ensure proper and adequate cover of 25mm - 50mm diameter to reinforcement bars during concreting and ensure all formwork is correctly fixed and properly aligned and braced with no room for leaks and undue defects.
* Block work shall be done in neat jointing and vertically aligned at level with a spirit level.
* All plaster shall be smooth and regular while all angles and edges are to be well-dressed, straight, and chamfered.
* Contractor must ensure that the concrete elements (columns including footings, beams, floors) shall be adequately cured before removal of shutters or formwork (as detailed in specifications).

Also, all plaster must be cured for a minimum of 3 days.

1. **Terrazzo**

The contractor shall provide tiling to flooring floor finishing with adequate grip to prevent injuries to children and PLWDs floors as follows:

* Consistent in finish, firmly bonded to substrates and resistant to expected impacts during use for the expected life of the installation.
* To direct all water flowing from supply points to drainage outlets without leakage to the substrate or adjacent areas.
* Keep traffic off floor terrazzo until the bedding has set and attained its working strength, ensure the work remains clean as it proceeds, and protect finished work from damage.

1. **Doors and Windows**

* Contractor shall ensure purpose-made steel doors and windows as per specification are installed appropriately across the facility without taking up any loads.
* Doors and windows being maintained must be properly inspected and serviced to ensure functionality.

1. **Carpentry**

* Contractor shall ensure careful demolition and clearing of existing damaged roof and its members and rebuild them.
* All timber elements shall be inspected for structural integrity, and checked against visible signs of dry and wet rot and termite infestation.
* Defective roof elements shall be carefully removed and replaced with sound timber members treated with approved wood preservatives, as well as other roofing elements.
* All the roofing nails and screws removed are not to be reused and shall be disposed of properly to ensure the safety of personnel on-site.
* Install a roofing sheet of the prescribed gauge in accordance with the manufacturer’s instruction (the color must be approved by the Engineer).
* Contractor shall ensure that the roof system drains off properly and that there are no leaks.
* Carefully remove damaged suspended ceiling boards and replace the suspended ceiling boards to specification.
* Ensure the application of termite control treatment to all surfaces, especially the wood and timber materials to be used on the project site as the environment is termite prone.

1. **Painting/Finishing**

* Clean all wall surfaces, removing dust, spider webs, etc. Prepare wall surfaces, fascia boards and all other structural members as required for painting after completion of other associated project tasks
* Protect all floor finishes, electrical fixtures, or fittings with drop-cloths or tarps to prevent damage
* All surfaces are to be screed, sanded and re-primed prior to receiving final painting coat.
* All paints applied are to be lead-free and preapproved by Plan International Engineer.
* Contractor must ensure the paint is of acceptable consistency.

1. **Electrical Work**

* Carefully install all electrical equipment and fittings including Distribution Boards, an Earth Leak Circuit Breaker, Wiring, Switches, Lighting fixtures, Sockets and outlets of approved quality. To be approved by Plan International Engineer.
* Test all electrical installations and fittings.

**Health, Safety & Environment**

* Safety is considered at the highest priority on this contract.

The contractor shall direct all those working under his charge to work safely and ensure there is always a site engineer or seasoned foreman on the project site to provide close monitoring of all site activities.

* Personal Protective Equipment (PPEs) shall be provided by the contractor to all workers, and usage on site shall be enforced by the Contractor.

**Quality Control & Workmanship**

* Safety is considered at the highest priority on this contract. The contractor shall direct all those working under his charge to work safely and ensure there is always a site engineer or seasoned foreman on the project site to provide close monitoring of all site activities.
* The Contractor shall carry out all works as instructed by Plan International's representative with excellent workmanship. The contractor shall be responsible for verifying that all materials used meet the specifications and all work is done and delivered in excellent condition to the satisfaction of Plan International.

**Project Deliverables with Milestones**

|  |  |
| --- | --- |
| **Milestone** | **Description and Required Documentation** |
| **1** | * Submission of a work plan for the project after the kickoff meeting (to be approved by Plan International’s Engineer). * Mobilization of all equipment, Machineries and staff to commence work * Careful preparation of project site by removal of all debris, waste, in line with the construction works to be carried out. Shrubs, Trees and general vegetation may only be dealt with in due consideration of the Environmental Management Plan. * Barricade of the construction area to control access to the project site during construction, and ensure that only relevant personnel properly kitted with relevant PPEs are allowed into the project site. * Delivery of construction materials * Careful and methodical removal of all damaged/defective wall sections, concrete sections and structural members from the structure, inclusive of the removal of damaged plasters and floor finishes. * Remove all damaged doors, windows, electrical fitting and fixtures, plumbing pipes and sanitary wares. * Where applicable, set-out and excavate trenches for the foundation of new walls and columns at such grids as directed by the Plan International’s Engineer. * Construction/re-construction of new/damaged walls, lintels, roof beams and overhead courses as required, and all the spaces that require covering with new blocks as specified. * Mending all structural and hairline cracks and holes in all the structures using appropriate materials such as cement grout, putty filler etc. * Plastering and rendering of all internal and external wall surfaces all structures as required. All plaster and screed works shall be smooth and regular while all angles and edges are well dressed, straight and chamfered. * Installation of the roof structure as well as aluminum roofing sheets in accordance with manufacturer’s instruction (the color must be compatible with the existing roof or in accordance with the Engineers direction). * Installation of the ceiling boards. * Treatment of all structures for termite infestation as required, ensure standard protective measures are taken to prevent future occurrences. * Installation of electrical piping, fittings, and fixtures as required to specification and Engineer’s instruction * Submission of progress reports (Weeks 1 - 5) including a summary of activity progress with photographs showing work completed. * Carry out Project site walk-through with the Plan International Engineer. * Address all highlighted defects and fix as required. |
| **2** | * Preparation of the floor and laying of floor tiles according to specification and Engineer’s instruction. Installation of wall tiles for the toilet walls, baths, and delivery rooms according to specifications and the Engineer’s instruction. * Install doors and windows to specifications as well as burglar screens to all the windows; smoothen doors and window frame areas and dress neatly as appropriate. * Submission of progress reports (Weeks 6 - 8) including a summary of activity progress. The report will include site photographs and details of any project coordination meetings. * Project site walk-through with the Plan International’s Engineer. * Address all highlighted defects, fix and complete all works as required. |
| **3** | * Screed all wall surfaces to an acceptable smooth finish and painting all required interior and exterior surfaces using required paint to approved quality and color, applied in a minimum of 3 coats according to specification and Engineer’s instruction. * Installation and testing of electrical installations, fixtures and fittings to ensure functionality. * Cleaning of the facility, site clearing, and disposal of construction waste offsite. * Project site walkthrough with the Plan International Team. * Address all highlighted defects and fix them as required. * Submission of the final report (Weeks 9 – 10), which will include the final engineering as-built drawings as well as photos of the completed work. |
| **4** | * Post-completion inspection and final certification report by Plan International Engineer that no defects occurred within the post-completion period. |