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**African Relief in Action**

 **Sierra Leone**

**(ARIA-INTERNATIONAL)**

 **Project Proposal**

 **For the**

**Construction of a Disability Health Center/ Four (4) two bed rooms Health Staff Quarters, Including water supply, solar energy and Purchase of Land site. Makeni, Bombali District, Sierra Leone, West Africa**,

**January 2013**

**1. PROJECT SUMMARY**

**A. Project Title:**

Construction of a disability Health Center and four two bed rooms Staff Quarters, solar energy, water supply and purchase of land site.

**B. Project Location:**

Bombali District, Sierra Leone, West Africa,

**C. Time Frame:**

 The project is expected to start in January 2013 and ends in December 2013

**D. Targeted Beneficiaries:**

 2500 – 8000 Polios, Amputees, orphans, blind, lepers, mute, 70 above old age and war victims etc.

 In the Northern Province, Sierra Leone West Africa.

**E. Overall Goal of Project:**

Disables and other affected victims in the North and the Country as a whole, Sierra Leone. Should have free medical treatment and sustainable economic development.

**F. Project Goal:**

Within one year, a health center would have been constructed for 2500 to 8000 disables in the North of Sierra Leone Bombali District, and prepared them to secure livelihoods as well as improved standard of living through access to free medical treatment.

**G. Specific Objectives:**

* To provide health centers for all Disables in the country as a whole. So they would have access to free medical treatment and help from been marginalized at health centers.
* With time, they will be prepared to be trained as birth attendance and to give first aid treatment and later secure scholarship to specialize in nursing, in order for them to have guarantee means of sustainable free health care.
* Through the health center they would have access to the provision of clutches, Wheel chairs, spectacle lens, drugs, nutritional food and special sandals/shoe for lepers, blinds, amputees and polios etc.
1. **Output:**
* To identify and sensitized beneficiaries in various communities about the construction of their facility.
* Conducting of workshops/trainings as traditional birth attendance (TBA) and first aid treatment
* Provision of local materials
* Bush clearing of the land site
1. **Total Budget: Le 20,000,000 $ 4000.**
2. **Amount requested from donors:** Le **1,084,631,900 - $258,000.**
3. Le exchange rate: $100 Le 420,000 - $1000 Le 4,200,000

**Executive Summary**

The overall goal of this project is, within one year, a health center comprised of three wards, out patient, pharmacy, lab, administrative office, toilets and a store for equipments/drugs and two bed rooms for health staff, including water supply and solar energy and purchased of the construction site would have been constructed for 2500 - 8000 affected victims in the north of Sierra Leone, who would have been rehabilitated and been prepared to secure livelihoods to change their status as well as secured improved standard of living through access to medical treatment and other facilities. These victims have for so long been marginalized by both the society and successive governments.

This particular project is also designed after the construction process to be equipped with beds, mattresses, furniture’s, drugs, medical equipments and an ambulance vehicle for patient emergency need.

The project proposes a comprehensive strategy for the attainment of improving and sustainable livelihoods for these victims through a range of activities such as establishing linkages with relevant stakeholders.

**Problem Statement:**

The Northern Province of Sierra Leone has a large number (between 2,500 and 8,000) of disable and venerable victims, who for many years have been marginalized by both the society and successive governments. The African Relief in Action (ARIA-International) Sierra Leone has done an indebt consultative meet with all fractions of disables and other set of venerable in order to know their felt needs.

These victims are looked low upon as ‘liability’ rather than as ‘asset’. Thus, little or nothing is been done to improve legislation on disability. They tried in vain to make their situation known to the authority concern but little or no attention is given towards their plight.

Their condition became more pathetic during and after the ten years rebel war in the country. They lost everything as well as their independence and dignity. The government of Sierra Leone has done excellence by providing free medical treatment to pregnant women and under five children, no attention has been paid to give free medical treatment or audience for disability in all private and government hospitals. The medical humanitarian organization that has been helping disables has left during the war.

they have the stigma of been shorn by the society in particular because, people have the belief that sickness like leprosy and HIV aids can be transmitted.

Their previous medical center has been looted, building vandalized. Struggling already in their handicapped existence, these men, women and children suddenly found themselves completely exiled, homeless and utterly abandoned by a war torn society.

They are reduced to street begging for pittance, homeless and thus become human beings who are dishonored and suffering.

they are extremely suffering from lack of drugs, food, shelter and other basic necessities as virtually all of them depend on alms taking as a means of getting income.

In the light of the above, this project is intended to minimize or eradicate the untold suffering and marginalization of the Disable victims in Sierra Leone by creating a health center for them.

Despite the deformity of their condition, but with their brains and hands they can still be partners of development if only these people are assisted.

**Output:**

* To identify and sensitized beneficiaries in various communities about the construction of their facility.
* Conducting of workshops/trainings as traditional birth attendance (TBA) and first aid treatment
* Provision of local materials
* Clearing of the land site

**Inputs:**

* Technical support, supervision and monitoring
* Provision of construction materials and Labour cost.

**Approach and methodology:**

* Working very closely with the Ministry of Health, Housing and Infrastructure
* Establish linkages with relevant stakeholders such as the Bombali District Council, Paramount Chief, Ward Councilors, Ward development Committee, disable Victims Associations, etc.
* Collaboration with other organizations.
* Opening of a current Bank Account for the project

**Impact and Sustainability:**

1. **Expected impact:**

**Sustainability:**

The beneficiaries own the health center and they alone has to be treated. As a result, it is expected that stake holders, medical experts and beneficiaries will take good care of the facility.

Besides, when the disables has been trained, and for them to be part of development, they will give medical assistance to able community members. Part of the proceeds will go to maintain the welfare of the victims and increased the donated medical supply.

The project will maintain a close collaboration with the Ministry of health, Housing and Infrastructure as well as establish linkages with relevant stakeholders such as the Bombali District Council, Paramount Chief, Ward Councilors, Ward development Committee, disable Victims Associations, etc. It is expected that after the project period, these key stakeholders will continue to make frequent follow ups/visits to the health center.

**Monitoring and Evaluation:**

Accordingly, African Relief in Action (ARIA-International) Sierra Leone will contract experts from the Ministry of health, Housing and Infrastructure to conduct a midterm and final evaluation of the project. Regular project reports will be prepared by the Project Officer/Manager and submitted to the African Relief in Action (ARIA-International) Sierra Leone. Every month, The African Relief in Action (ARIA-International) Sierra Leone staff will also make periodic visits to the project site for project accomplishment and follow-up.

The African Relief In Action (ARIA-International) Sierra Leone will establish an internal reporting mechanism and conduct internal reviews. Staff will be designated to monitor and evaluate project activities and analyze progress indicators to determine if changes in activities need to be made in order to achieve the results and objectives by the end of the project.

The African Relief in Action (ARIA-International) Sierra Leone will establish links between its project staff and members of the relevant government institutions such as the Ministry of health, Housing and Infrastructure as well as the Bombali District Council through the Ward development Committee and disable Victims Association. As community participation and ownership are critical elements of a sustainability strategy. ARIA-International will employ a participatory rural approach and a right based approach to ensure that the community is involved in all aspects of monitoring and evaluation of activities including data collection, interpretation and compilation of lessons learnt.

The project staff will produce progress reports every month, which ARIA-International management will compile and produce on half yearly and yearly basis to donor. These reports will be shared with the beneficiaries and relevant stakeholders including the Bombali District Council and the Ward development Committee.

At any rate, activity monitoring by the project staff, stakeholders and ARIA-International to identify and address critical implementation gaps will form part of the project’s oversight activities.

Monitoring of the project will take two levels:-

1. **Community and stakeholders level:**
* Delivery systems of ARIA-International
* Responses of beneficiaries to project activities
1. **Institutional level:**
* Data from assessment
* Achievement of project results objectives
* Project activities
* Donor responses to project agreement
* Beneficiary perception
* Review sessions and lessons learnt

**The Implementing organization:**

The African Relief In Action (ARIA International) was conceived in 1995, and given legitimacy by the government of the Republic of Guinea in July 1996.

The African Relief in Action (ARIA International) is a not-for-profit, non-governmental and non-sectarian humanitarian relief based organization. The philosophy of ARIA is to compliment the philanthropic work of our foreign counterparts in addressing Africa's humanitarian crises.

Our common objective is to provide humanitarian relief assistance to persons who are affected by human catastrophe such as inter and intra conflicts, political instability or oppressive regime, economic crises and other disasters.

Our primary focus is to undertake the process of rehabilitating communities, restructure livelihoods and resettle victims to a safe and prosperous environment. ARIA's operation targets women, children who are regarded the most vulnerable and people of all strata regardless of race, gender and other social classification.

**Mission**

ARIA International mission is to alleviate poverty geared towards self-reliance in the world in general, and in Africa's war torn countries in particular.  Proving that unconditioned love is the foundation upon which the healings begin and how to appreciate the trust of your generous giving implies.

To transform lives, resettle the vulnerable particularly women and children who are victimized by human conflicts; rehabilitate refugees and internally displaced persons and reconstruct communities devastated by war and natural disaster.

**Values**

ARIA International strives to promote positive economic and social change worldwide.  It is distinguished by commitment to its overseas beneficiaries, wise stewardship of development resources and a knowledgeable, experienced, diverse and effective team.  It is dedicated to poverty alleviation and broad-based economic growth.  Our respect for host societies and our commitment to the involvement of beneficiaries as true partners in development projects result in improved local capacities, enhanced opportunities, and vibrant, sustainable communities, cooperatives and enterprises.

**Vision**

Enable beneficiaries become self-reliant and to sustain livelihoods so as to richly impact community development.

**What is ARIA International's Objectives?**

1. To embrace the world's forsaken children
2. To help provide basic education, medical facilities and training skills for orphans, youths and unaccompanied minors
3. To advocate for and process the integration, rehabilitation and resettlement programs of refugees and the internally displaced persons (IDP') for a durable solution
4. To heal the psychological trauma of amputees and destitute persons in the society
5. Launching awareness campaigns against the inhuman practice of female genital mutilation(FGM)
6. To help reinforce and maintain the fundamental rights of the child
7. Provision of community health services including HIV/AIDS program
8. To rehabilitate children and youths through relief supplies like, food and clothing; and provide housing facilities for them
9. Peace and conflict resolution/management through guidance-counseling, symposia workshops, seminars etc.  among war affected persons
10. To provide for the hungry and needy
11. To assist the lame and cloth the naked
12. To direct the blind to a more reassuring and dependable hopeful future
13. To accommodate them in one place for easier assessment and assistance by other interested organizations

**Legal Status**

The African Relief in Action (ARIA International) was conceived in 1995, and given legitimacy by the government of the Republic of Guinea in July 1996.

It is registered with the Ministry of Finance, Development and Economic Planning and it is a member of the Sierra Leone Association of Non-Governmental Organizations (SLANGO). Including a tax clearance and certificate from the Sierra Leone National Revenue Authority. It works with close collaboration with the Ministry of Health and Sanitation and Ministry of Agriculture, Forestry and Food Security.

**Description of Structures, Qualified Personnel and Necessary Infrastructure to Implement the Project Activities**

It has a team of well trained, qualified and experienced personnel both national and international. It has its Head quarter at 14 Yikes Road Makeni City, Bombali District and other operational areas in the North Part of Sierra Leone, West Africa.

**Experience of Similar Types of Project**

ARIA-International and her partners have played a significant role in the reconstruction of communities destroyed by war and other disaster. The reconstruction process will take the form of rebuilding the social infrastructure such as schools, hospitals, roads, community centers and recreational parks.

For further details of ARIA-International projects accomplished please visit our website on [www.ariainternational.org](http://www.ariainternational.org)

**Ability to Manage the Finances of the Project**

The organization is operating on current accounts with the Sierra Leone Commercial bank in Makeni.

**Project Management:**

The project will have a project management team which will include the Project Officer/Manager and the Polio Victims Association.

**Project Officer/Manager**

He/she will be reporting directly toARIA-International. He/she will provide the overall management in the implementation of the project, including supervision of workers. He/she will prepare monthly reports and submit them to ARIA-International.

**Polio Victims Association;**

The members of the Association will assist the Project Officer/Manager in the management of the implementation of the project.

**PLAN OF ACTIVITY**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Activity/Task** | **Time Frame** | **Lead Responsibility** |
| **From** | **To** |
| 1 | Employment of contractors for the construction | 1st week of January 2013 | 1st week of January 2013 | ARIA-International F |
| 2 | Signing of MOU with contractor | 1st week of January 2013 | 1st week of January 2013 | ARIA-International Contractor |
| 3 | Mobilization of local materials and transportation of building materials | 1st week of January 2013 | 2nd week of January 2013 | ARIA-International |
| 4 | Construction of kitchen | February 2013 | February 2013 | Contractor |
| 5 | Procurement of kitchen utensils | December 2013 | December 2013 | ARIA-International |
| 6 | Rehabilitation of Polio victims in the village |  |  | ARIA-International |
| 7 | Opening of the disables health center  | 3rd week December 2013 |  | ARIA-International |

**Budget estimate for the construction of a disable health center and four mini staff quarters, purchase of land site ,installation of solar energy and water supply.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** |  **Item Description** | **Qty** | **Unit** | **Unit Cost Le** | **Total Cost** **Le** | **Total Cost** **$** |
| **A** | **Roofing** |  |
| 1 | Mental steel trusses 31’ x 6” | 15 | Nr | 1,400,000 | 21,000,000 |  |
| 2 | 2” x 3” x 14” – Timber  | 300 | Piece  | 15,000 | 4,500,000 |  |
| 3 | 1” x 12” x 14” – Timber  | 250 | Piece | 25,000 | 6,250,000 |  |
| 4 | Wire nails (Assorted) | 10 | Cartons | 250,000 | 2,500,000 |  |
| 5 | Steel nails (Assorted) | 03 | Cartons | 300,000 | 900,000 |  |
| 6 | Wood preservative | 10 | Gallons  | 270,000 | 2,700,000 |  |
| 7 | Aluminum Roofing sheet – 8 ft | 60 | Bundles | 3,000,000 | 180,000,000 |  |
| 8 | Roofing nails | 100 | Packets  | 40,000 | 4,000,000 |  |
| 9 | Roofing felts | 10 | Rolls  | 150,000 | 1,500,000 |  |
| 10 | Ridge cover | 100 | Sheets  | 50,000 | 5,000,000 |  |
| 11 | Labor cost |  |  | Lump – sum | 10,000,000 |  |
| **Sub – Total** |  | **238,350,000** |  |
|  **B** | **Electrical** |  |
| 1 | 12 Way 400/240V, 3ph with 100 amp, integrated main circuit breakers distribution board | 01 | tem | 1,500,000 | 1,500,000 |  |
| 2 | Earth electrodes | 7 | Nr | 50,000 | 350,000 |  |
| 3 | Outdoor wall bracketed globe light (Security Light) | 10 | Nr | 45,000 | 450,000 |  |
| 4 | 4” (1200mm) Florescent light complete with diffuser | 60 | Nr | 65,000 | 3,900,000 |  |
| 5 | Chandeliers | 10 | Nr | 250,000 | 2,500,000 |  |
|  | **Switches** |  |
| 1 | 5 amps 1 gang – 1 way switches | 100 | Nr | 8,000 |  800,000 |  |
| 2 | 5 amps 2 gang – 2 way switches | 30 | Nr | 8,000 | 240,000 |  |
| 3 | 15 amps switch sockets | 100 | Nr | 14,000 | 1,400,000 |  |
| 4 | 13 amps single switch socket | 100 | Nr | 12,000 | 1,200,000 |  |
| 5 | 60 watt filament lamps | 35 | Nr | 5,000 | 175,000 |  |
|  | **General** |  |
| 1 | 1.5mm 2 coil twin cable | 25 | Rolls | 320,000 |  8,000,000  |  |
| 2 | 2.5mm 2 coil twin cable | 15 | Rolls | 450,000 | 6,750,000 |  |
| 3 | 2.5mm 2 single standard green/yellow sheathed ground cables | 05 | Rolls | 350,000 | 1,750,000 |  |
| 4 | 75x75x19mm deep metal switch boxes | 100 | Nr | 5,000 | 500,000 |  |
| 5 | 150x150x19mm deep metal switch boxes | 100 | Nr | 7,000 | 700,000 |  |
| 6 | 19mm round PVC conduit pipe | 15 | Rolls | 300,000 | 4,500,000 |  |
| 7 | Ceiling fan  | 23 | Nr | 350,000 | 8,050,000 |  |
| 8 | Labour  |  |  | Lump – sum  | 7,000,000 |  |
| **Sub – Total** |  | **49,765,000** |  |
| **C** | **Doors & Windows:****Well prepared doors complete with locks and hinges** |  |
| 1 | Single wooden doors with frames | 5 | Sets | 300,000 | 1,500,000 |  |
| 2 | Lockers | 5 | Sets | 60,000 | 300,000 |  |
| 3 | Hinges  | 10 | sets | 10,000 | 100,000 |  |
| 4 | Single mental door with locks  | 4 | sets | 850,000 | 3,400,000 |  |
| 5 | Double Metal doors - 5’ x 7’.3” | 5 | Sets | 1,700,000 | 8,500,000 |  |
|  **I** | **Well prepared windows with guard** |  |  |  |  |  |
| 1 | Single Slid windows | 5 | Sets | 900,000 |  4,500,000  |  |
| 2 | Double slid windows | 12 | Sets | 1,800,000 | 21,600,000 |  |
| 3 | Single windows guard bars – 3’ 6” x 4’.3” | 5 | Sets  | 160,000 |  800,000 |  |
| 4 | Double windows guard bars – 7’ x 4’ .3” | 12 | Sets  | 320,000 | 3,840,000 |  |
| 5 | Screws  | 25 | Packets | 7,000 | 175,000 |  |
| 6 | Slid windows glue  | 10 | Packets  | 100,000 | 1,000,000 |  |
| 7 | Fitting cost |  |  |  | 5,000,000 |  |
| **Sub – Total** |  | **100,480,000** |  |
| **D** | **Ceiling** |  |
| 1 | Ceiling joist 2” x 3” x 12” | 300 | Pieces  | 10,000 | 3,000,000 |  |
| 2 | Ceiling joist 2” x 2” x 12” | 200 | Pieces  | 10,000 | 2,000,000 |  |
| 3 | Ceiling nails | 10 | Boxes  | 40,000 | 400,000 |  |
| 4 | Hard board | 600 | Sheets  | 40,000 |  24,000,000 |  |
| 5 | Nails (Assorted) | 08 | Cartons  | 250,000 | 2,000,000 |  |
| 6 | Fillets (cover strips) | 100 | Bundles  | 18,000 |  1,800,000 |  |
| 7 | Fillets (corner strips) | 45 | Bundles  | 50,000 | 2,250,000 |  |
| 8 | Wire mesh | 10 | Rolls  | 180,000 | 1,800,000 |  |
| 9 | Wood preservative | 10 | Gallons  | 40,000 | 400,000 |  |
| 10 | Polly filler  | 40 | Boxes  | 35,000 |  1,400,000 |  |
| 11 | Labour |  |  |  | 8,000,000 |  |
| **Sub – Total**  |  | **47,050,000** |  |
| **E** | **Veranda steel bars**  |  |
| 1 | 1’’x1’’ Steel bars  | 150 | Piece  | 55,000 | 8,250,000 |  |
| 2 | ¾’’x¾ steel bars  | 80 | Piece  | 30,000 | 2,400,000 |  |
| 3 | Wilding/ fixing cost  |  |  |  | 3,000,000 |  |
| **Sub – total**  |  | **13,650,000** |  |
| **F** | **Preparing of blocks for Foundation/wall height**  |  |
| 1 | Sand (double trip) | 40 | Trips | 200,000 | 8,000,000 |  |
| 2 | Cement | 500 | Bags | 45,000 | 22,500,000 |  |
| 3 | Mild steel rod  | 200 | Pieces | 55,000 | 11,000,000 |  |
| 4 | Ball stone  | 30 | Trips  | 200,000 | 6,000,000 |  |
| 5 | Granite stone – ½  | 10 | Trips  | 325,000 | 3,250,000 |  |
| 6 | Labour cost |  |  |  | 12,000,000 |  |
| **Sub – Total**  |  | **59,750,000** |  |
| **G** | **Plastering/ Paving – Floor, internal & external** |  |
| 1 | Sand (double trip) | 40 | Trips | 200,000 | 8,000,000 |  |
| 2 | Cement | 700 | Bags | 45,000 | 31,500,000 |  |
| 3 | Ball stones | 35 | Trips | 250,000 | 8,750,000 |  |
| 5 | Labour  |  |  | Lump – sum  | 9,000,000 |  |
| **Sub – Total** |  | **57,250,000** |  |
| **H** | **Tiling** |  |
| 1 | Floor tiles | 750 | Cartons  | 60,000 | 45,000,000 |  |
| 2 | Wall/toilet tiles  | 200 | Cartons  | 60,000 | 12,000,000 |  |
| 3 | White cement | 20 | Bags  | 80,000 | 1,600,000 |  |
| 4 | Cement  | 100 | Bags  | 45,000 | 4,500,000 |  |
| 5 | Sand (double trip) | 05 | Trips  | 200,000 | 1,000,000 |  |
| 6 | Labour |  |  |  | 7,000,000 |  |
| **Sub – Total** |  | **71,100,000** |  |
| **I** | **Toilet**  |  |
| 1 | Flush set  | 06 | Set  | 900,000 | 5,400,000 |  |
| 2 | Toilet tiles  | 80 | Cartons  | 60,000 | 4,800,000 |  |
| 3 | 9mm water pipes  | 20 | Piece  | 70,000 | 1,400,000 |  |
| 4 | Toilet pipes  | 12 | Piece  | 120,000 | 1,440,000 |  |
| 5 | Assorted L/T shape pipes  | 05 | Packets  | 150,000 | 750,000 |  |
| 6 | Iron rods  | 20 | Piece  | 60,000 | 1,200,000 |  |
| 7 | White cement  | 1 | bag | 80,000 | 80,000 |  |
| 8 | Cement  | 25 | Bags  | 45,000 | 1,125,000 |  |
| 9 | Sand  | 02 | trip | 200,000 | 400,000 |  |
| 10 | Assorted water taps  | 05 | Packets  | 250,000 | 1,250,000 |  |
| 11 | Digging, construct/fixing of flushes  |  |  |  | 7,000,000 |  |
|  | **Sub - total**  |  | **24,845,000** |  |
| **J** | **Painting** |  |
| 1 | White lime | 10 | Bags  | 55,000 | 550,000 |  |
| **i.** | **Emulsion paint on** |  |  |  |  |  |
| 1 | Wall surface | 30 | Drums  | 100,000 | 3,000,000 |  |
| 2 | Ceiling  | 04 | Drums  | 100,000 | 400,000 |  |
| **ii.** | **Ditto Oil Paint on** |  |  |  |  |  |
| 1 | Metal doors | 10 | Gallons  | 55,000 | 550,000 |  |
| 2 | Half way wall surface  | 05 | Gallons  | 55,000 | 275,000 |  |
| 3 | Facial boards | 05 | Gallons  | 55,000 | 275,000 |  |
| 4 | Wall surface  | 25 | Gallons | 55,000 | 1,375,000 |  |
| 5 | Paint brushes | 20 | Sets  | 20,000 | 400,000 |  |
| 6 | Labour cost |  |  |  | 4,500,000 |  |
| **Sub – Total**  |  | **11,325,000** |  |
| **K** | **Water supply**  |  |
| 1 | 1000 liters Water tanks  | 06 | Nr | 2,000,000 | 12,000,000 |  |
| 2 | 19mm Water pipe | 100 | Pieces  | 40,000 | 4,000,000 |  |
| 3 | Assorted L/T shape pipes | 50 | Packets  | 55,000 | 2,750,000 |  |
| 4 | Assorted water taps  | 20 | Packets  | 200,000 | 4,000,000 |  |
| 5 | Mental pipes  | 30 | Nr | 150,000 | 15,825,000 |  |
| 6 | Hand pump set  | 01 | Nr | 12,000,000 | 12,000,000 |  |
| 7 | Water pump  | 01 | Nr | 9,000,000 | 9,000,000 |  |
| 8 | Mild steel rods | 200 | Piece  | 55,000 | 11,000,000 |  |
| 9 | Bind wire  | 50 | Roll  | 20,000 | 1,000,000 |  |
| 10 | Sand  | 5 | Trips  | 200,000 | 1,000,000 |  |
| 11 | Granite stones  | 10 | Trips  | 325,000 | 3,250,000 |  |
| 12 | Cements | 150 | Bags  | 45,000 | 6,750,000 |  |
| 13 | Digging, concrete/pluming cost  |  |  |  | 10,000,000 |  |
| **Sub – Total**  |  | **92,575,000** |  |
| **L** | **Solar Energy**  |  |
| 1 | Solar panels  | 25 | Nr | 1,500,000 | 37,500,000 |  |
| 2 | Solar batteries  | 15 | Nr | 750,000 | 11,250,000 |  |
| 3 | Solar mete | 01 | Nr | 500,000 | 500,000 |  |
| 4 | Inverter  | 01 | Nr | 2,500,000 | 2,500,000 |  |
| 5 | Installation cost  |  |  |  | 4,000,000 |  |
| **Sub – Total** |  | **55,750,000** |  |
| **M** | **Purchase of the construction site**  |  |
| 1 | Acres of land (6 lots per acre) | 12 | lots  | 6,000,000 | 72,000,000 |  |
| 2 | Survey of land  |  |  |  | 500,000 |  |
| 3 | Site plan, building & registration.  |  |  |  | 2,000,000 |  |
|  | **Sub – total**  |  |  |  | **74,500,000** |  |
|  |  |
| **Total** |  | **896,390,000** |  |
| **K** | Unforeseen (contingencies) 10%  |  |  |  | 89,639,000 |  |
|  | **Total** |  |  |  | **986,029,000** |  |
| **L** | Administrative cost 10% |  |  | Lump-sum | 98,602,900 |  |
| **Grand – Total** |  | **1,084,631,900** |  |