

## **PILOT PROJECT PHASE – II**

### **Health Survey and Herbal Processing Centre**

#### **Title of the Project :**

Forestry of Medicinal and Herbal plants for the Socio Economic Development and Health Care of the local people.

#### **Project Synopsis :**

Armed with the Basic Knowledge of Medical plants, herbs creepers and weeds etc. growing around their habitations; and of their important and values; of their methods of conservation and dissemination by raising nurseries, of their plantations and of their identification etc. the forest dwellers are bubbling with inquisitiveness to know further as to how they could take advantage of their knowledge in raising their socio economic status and in poverty alleviations.

Nearly 150 forest dwellers comprising of members of Van Suraksha Samittees, employees of the forest department and interested villagers living in and around the forests have been trained in identification of the plants herbs and shrubs etc. during the span of 12 months of establishment of the training centre and raising of the nursery of medicinal plants and herbs shrubs etc. in 3 Acres of fallow forest land of Petarwar in Bokaro Forest Division.

The training schedule of the first phase will continue for the new trainees as usual and in the II Phase of the project those beneficiaries trained in the I phase will further be provided training in conversion of the usufructs of the plants, herbs, etc. into Raw Materials for use as Herbal **Tea, Ark, Kshar, Satwa, Ghansatwa, Tel Pak Churan, Quath, Dugd Churn.**

The training will include both theoretical and practical aspects of conversions. It will have its own schedule and the equipments will be available in the Herbal Processing Centre unit of the Training Centre at Petarwar. The training will include practical conversion work together with demonstration to the trainees.

The Trainees will be provided knowledge of fields of requirements and consumption in the country and also of marketing of the materials produced by them. The trained forest dwellers could collect useful medicinal herbs and shrubs barks of Plants etc and get them converted at their own end or in the Herbal Processing Centre Unit of the centre. They could produce and collect and store required species of plants herbs shrubs etc. either raised by them in their own nurseries or those collected from the forest such species which are normally treated as weeds and are destroyed or burnt for safety of major plants in the forest against forest fires etc.

Trained individuals will cultivate the herbs and medicinal plants in their own backyards, fields and farms. The harvested Medicinal plants fruits flowers stem etc. will be processed by them either at their own sources or in the Herbal Processing Centre Unit of the centre at Petarwar for marketing. The Unit shall also guide & support the producer in marketing of the products.

In the context of rural India, traditional health practices combined with the use of herbs minerals allied properties available in nature, will be able to provide 100% self reliance in primary health care, this is because our eco-system has its own flora, fauna and mineral resources and at the same time is endowed with rich ethno-biological traditions amongst the communities who inherit these eco-systems. A relationship also exists between cultural and bio-diversity within each eco-system.

The project envisages to conserve local resources, re-establish dispensaries in rural areas and be a model for creations of sustainability in traditional health care systems. Health care for the common people and specially the poor of the country and the cure of ailments of all human beings and even animals living on the planet can be overseen by traditional systems. It will eliminate many of the health problems and shall open new vistas of employment as well.

Our age old health care system is not only curative but is a science of total health care. It takes care of one, from birth to death. It is a science of life, of our food habits, of our daily life style, customs, costumes, and even day and night activities.

The common man in India is compelled to live on poverty in spite of its vast natural resources. In absence of any developmental process and ignorance of available natural resources they are lacking in every sphere of life. Many of the regions in our country suffer with such status of affairs.

The land comprising the target area is rocky and uneven. A very small area of land is suitable for cultivation and those too are non irrigated. 75 to 80% of land remains covered with vegetations which the local people do not know, treat it as a weed but it is and useful species of herbal plant. Our herbalists have identified them and claim to exploit the same on commercial basis too for income generation of the local poor. The vegetation is wide spread and covers the hills as well as small pieces of fertile land. People generally burn them to avoid forest fire on large scale.

In context of the present day situation it is clear that the common man living in the rural areas and urban slums of our country must know about the herbal plants and shrubs, grass, weeds, minerals available indigenously in our country for the development in health care together with social and economic upliftment. In face of such a situation it is simply farce to think of Rural Development, without Health care being part of it. This is almost common in all regions status of our country. It is for this reason that we propose this project.

### **Objectives :**

1. To establish a Herbal Processing Centre Unit with necessary machineries and equipments for conversion of Herbs & medicinal plants, fruits flowers leaves, barks etc. into raw materials for industries use, so as to enable the beneficiaries trained in the First phase of The Pilot project may be able to process the Herbs and medicinal plants etc. produced by them in their own fields or collected by them from the forests.
2. To make all arrangements & efforts to maintain the inherent qualities of the raw ingredients during processing of the materials produced.
3. To create possible market for the materials produced and processed by locally trained people.
4. To impart practical knowledge of processing the medicinal plants and Herbs etc. produced by them in order that the products be made money earning and marketable.
5. To provide & popularize Brand Name like Jharkhand Tea. Ubtan, Ark, etc. produced in Jharkhand processed in the unit and to channelise their marketing.
6. To promote nature based exploitation of plants treated as weeds. These will be a source of income generation for the poor forest dwellers of the area.
7. To train the people of the area to exploit harvest and store weeds growing in the area in a systematic and scientific manner.

8. To develop herbal agriculture and exploitation of herbs, shrubs and weeds etc. available in plenty in Target areas in Jharkhand for use in irradiation poverty, health care, and freedom from disease.
9. To train the people living in the villages in the art of keeping oneself free from disease and ailments and in curing minor ailments by use of available herbs. Medicinal plants minerals and animal based ingredients, food and vegetables.
10. To conserve and use locally available traditional means and medicines.
11. To revive the scientific temperament behind the use of herbs, medicinal plants, minerals and traditional methods for prevention and cure of health problems like **Headache, Arthritis, Paralysis, Diabetes, Malaria, Gout, Chorizo and Malnutrition etc.**
12. To create awareness about the use of indigenous materials and traditional technology for eradication of disease and conducting need based study, survey, adaptive research and development, field trials, demonstration and dissemination of appropriate technologies amongst the rural people in respect of exploitation of weeds, shrubs and minerals etc. available in plenty in the target areas for use in eradication of poverty.
13. To popularize the traditional Technologies up to the commercialization stage for income generation of the common man. The organization envisages to exploit the most abundantly available herbal plants shrubs and minerals etc. and to train the local poor in the technology of their conversion into ingredients of high value yielding materials for medicinal use and applications and for food values.

#### **4. Status of the proposed technology :**

*Importance of the proposed project in the context of current status:*

We believe that there is a need to re-examine the current status of local health practice in the context of current environmental degradation in the villages, Apart from environmental degradations, there are lot of prejudices and misconceptions about their use because (i) These medicines are not suitable since they do not offer quick and immediate relief, (ii) These are based on empirical facts, religious beliefs and superstitions etc. (iii) These method were not subject to critical clinic review and few people know about them.

People in our country have been actively working for their economic development and for health care since ages. From time to time its science and technology has faced various ups and downs. It has also been honored and has faced neglect in the process of development, depending upon the moods of the rulers of this country its various regions.

It would be evident from the above facts that the proposed technology has developed with the evolution of man and it is available for our adoption as gift of nature. The tribal living in hills and forest have been using products from such natural resources for curing painful and un-impair able diseases with success. They cure chronic diseases with success. They cure chronic diseases using their own formulation similarly their living and dieting include such things which keep them healthy and beautiful. But these people often do not want to part off with their traditional knowledge and technology. At times it also so happens that others do not adopt it due to ignorance, although the technologies are fully tested and have passed on from generations.

This programme is an effort to revive and disseminate this technology for the well being of the common man. It is a prototype Technology. It is envisaged to activate and disseminate the principles and practices of traditional methods as described in the Vedas and practiced and tested by “Rishees” of yore and medical practioners of the present day.

### **Action Plan and Methodology :**

In the II Phase of the project three treatment centre shall be established where the local patients will be treated (i) One at Petarwar (ii) Second at Khaira Chatar (Kashmar) and the (iii) Third at Bahapurpur in Petarwar Forest Range of Bokaro Forest Division. Project coordinator cum chief Vaidyas will be assisted by locally trained individuals (those trained at Petarwar in the first pilot project) at the treatment centre.

They will first survey their localities as to the presence of Malaria, TUBERCULOSIS and paralysis and treat them with indigenous medicines under the overall supervision and guidance of the Chief Vaidya Dr. Shayam Bihari Tiwari who will make fortnightly visit to the centre and will oversee the project at all levels.

At Petarwar a Herbal Processing Centre Unit will be established for conversion and processing Herbs and Shrubs of medicinal values by locally trained forest dwellers and those collected from forest in their localities.

The above activities will target the above specified diseases with the view to relieve the sufferers of the project area.

The Herbal Processing Centre unit at Petarwar will be economically aiding the forest dwellers by converting medicinal Herbs and plants etc. into value earning raw materials. These will make heavy import on their Socio-Economic status which will be raised in very short span of time.

### **BUDGET**

#### **Recurring**

Sl. No.		Unit	Per Month Rs.	Annual Rs.
1.	Project Co-ordinaror cum Chief Vaidya.	1	10,500/-	1,26,000
2.	Operator H.P.C. Unit	1	2000/-	24,000
3.	Caretaker H.P.C. Unit	1	2000/-	24,000
4.	Survey Assistant	1	2,000/-	24,000
5.	Helpers & Runner	1	2000/-	24,000
			<b>Total :-</b>	<b>2,22,000</b>

**Non-Recurring**

Sl. No.		Unit	Per Month Rs.	Annual Rs.
1.	Furniture for three Treatment Centre.			45,000/-
2.	Fixture and furniture of H.P.C.			45000/-

**Equipment for processing of Raw Materials :**

1.	Polvarisor motorised	On	Rs. 20,000/-
2.	Mortar & Pestle stone		Rs. 4,000/-
3.	Iron Imamdasta with Musli		Rs. 6,00/-
4.	Blower hand operated	1 Nos.	Rs. 1,500/-
5.	Balance common	2 Nos.	Rs. 1,500/-
6.	Micro Balance (digital)	1	Rs. 5,000/-
7.	Laboratory glassware (Various) set		Rs. 15,000/-
8.	Distillation Plant		Rs. 20,000/-

**Materials & supplies for dispensary**

1.	Herbs & shrubs management	Rs. 45,000/-
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**Others**

1.	Energy, Fuel wood, Coal, Gas, K.Oil	Rs. 18,000/-
2.	Renovation of Building for H.P.C.	Rs. 55,000/-
3.	Contingency (Travel Carriage and other Maintenance expenditure).	Rs. 20,400/-
4.	Documentation	Rs. 2000/-

Divisional Forest Officer,  
Bokaro Forest Division,  
Bokaro.