

District Rural Development Agency, Bilaspur Distt. Bilaspur, Himachal Pradesh.
NO. IRD-Eco village/ 2020-21-2827 Dated: Bilaspur the 24 July, 2020.

From:-

The Deputy Director
-cum-P.O., DRDA, Bilaspur
District Bilaspur (H.P.)

To

The Director (Env., Sci. & Tech.),
Government of Himachal Pradesh, Shimla-1.

Subject:-

Implementation of Model Eco Village Scheme in village Kandraur,
Bilaspur- reg.


Sir,

This is with reference to your office letter No. Env.S&T(F)/ Bilaspur/
Eco-village-Kandraur/ 2019-795 dated 30th June, 2020 on the subject cited above.

I have been directed by the Deputy Commissioner, Bilaspur to intimate that District Level Technical Advisory Committee has approved the EVDP (Eco Village Development Plan) for Eco- village Kandraur, Tehsil Sadar District Bilaspur in it's meeting held on 14th July, 2020. The copy of the approved EVDP is sent herewith for the kind perusal of SLSC and further necessary action at your end please.

Yours faithfully,

Encl : As above.



Deputy Director
-cum-P.O., DRDA, Bilaspur
District Bilaspur (H.P.)

Endst. No. As above. 2828

Dated Bilaspur the 24 July, 2020

Copy to:-

1. Block Development Officer, Sadar, Bilaspur, H.P. for information and necessary action please.


Deputy Director
-cum-P.O., DRDA, Bilaspur
District Bilaspur (H.P.)

Minutes of District Level Technical Advisory Committee Meeting for Eco Village Kandrou held on dated 14/7/2020 under the Chairmanship of Deputy Commissioner -cum-Chief Executive Officer, DRDA, Bilaspur, H.P.

A meeting of District Level Technical Advisory Committee was held on 14-07-2020 under the Chairmanship of Shri Rajeshwar Goel, Deputy Commissioner, District Bilaspur HP to discuss the approval of Eco Village Development Plan of Kandrou Village selected for Eco village and the following Officers were present in the Meeting:

- 1) Sh. Rajender Kumar Gautam, Deputy Director-cum-Project Officer, DRDA
- 2) Dr. K.S. Patial, Deputy Director of Agriculture Deptt., Bilaspur
- 3) Dr. Ranjna Gupta, SMS (Hort.) office of Horticulture Deptt. , Bilaspur
- 4) Dr. Sanyam Munaula, RFO Bilaspur, Sadar
- 5) Sh. Krishan Pal, Distt. Public Relation Officer, Bilaspur
- 6) Sh. Vinay Kumar Sharma, DAO, office of DPO, Bilaspur
- 7) Sh. C.L. Thakur, S.E.B.P.O., Dev. Block Sadar, Bilaspur
- 8) Sh. Kuldeep Kumar, Pradhan, G.P. Kandrou
- 9) Sh. Pardeep Kaushal, J.E., office of DRDA, Bilaspur


At the outset the Deputy Director-cum-Project Officer, DRDA, Bilaspur welcomed the Chairman and all the officers who were present in the meeting. After due permission of the Chair, it was apprised that inspection of selected Eco village Kandrou has been conducted by the Technical staff and after that Department wise schemes/activities proposed in Eco Village Development Plan of Kandrou village were taken up for discussion and the following directions were issued by the worthy Deputy Commissioner-cum-Chief Executive Officer, DRDA, Bilaspur:

- 1) It was directed by the Chairman that the entire boundary of Ward No. 1 & 2 of village Kandrou to be fenced by solar fencing for which spot inspection may be conducted. In compliance to this, the Solar fencing works proposed by the Agriculture Department in Eco Village Development Plan of the Kandrou village at Sr. No. 3 increased to Rs. 1405422/- after inspection under Eco Village scheme of Kandrou.
- 2) Block Development Officer, Sadar was directed to include activities of Repair and Renovation of existing traditional water bawdies/water resources, construction of water harvesting structures and Solid & Liquid Waste Management activities in Eco Village Development Plan. Accordingly, Repair and Renovation of existing traditional water bawdies/water resources has been included at Sr. 15 to 19, c/o water harvesting structure at Sr. No. 23 to 25 and Solid & Liquid Waste Management activities proposed under SBM (G) in the selected area have been added in the Eco Village Development Plan at Sr. No. 9 to 10 in the Eco Village Development Plan of Kandrou.

- 3) The Agriculture Department was directed to include Farming of Turmeric, Colocasia, Exotic vegetables, Broccoli, Capsicum, seasonal species and additional plan for growing of crops be added to promote natural farming by Agriculture/Horticulture Departments in Eco Village Development Plan. Accordingly, farming of above seeds has been included at Sr. No. 26 & 27 as per estimate submitted by Agriculture Department at a cost of Rs. 118547.66 for this activity.
- 4) Forest Department was directed to include Nursery raising activities for plantation in Eco Village Development Plan. The Department has proposed raising of nursery of fruit bearing plants in Forest area at total cost of Rs. 60,000/- which has been included at Sr. No. 20 in proposed Eco Village Development Plan.
- 5) The Block Development Officer, Sadar was directed to include the work of construction of view point near Kandrou Bridge in consultation with Revenue and Tourism Department. The construction of view point at estimated cost of Rs. 350000/- has been included at Sr. No. 28 of EVDP.

At the end of meeting, the Chairman, District Level Technical Advisory Committee directed ~~to~~ all the concerned Line Departments to inspect the spot and take appropriate action for including the left out activities in the Eco Village Development Plan of Kandraur village as discussed above.

The meeting ended with vote of thanks to & by the Chair.

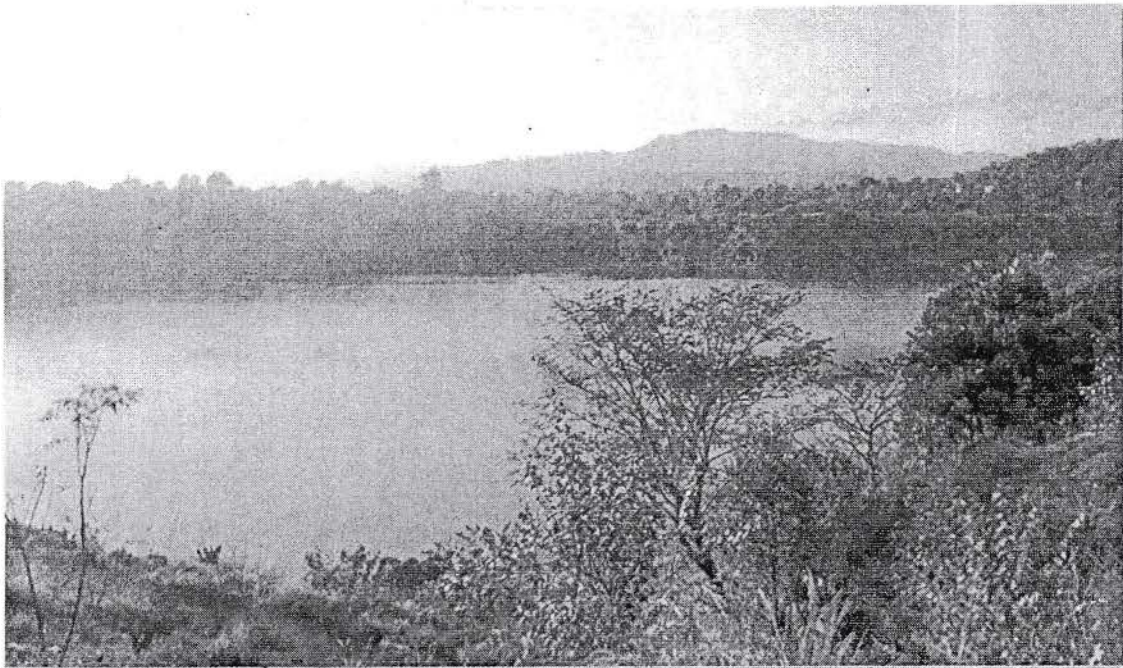

(Rajeshwar Goel), IAS
Deputy Commissioner,
District Bilaspur HP

①

Eco Village Development Plan (EVDP)

Village – Kandroul

Gram Panchayat-Kandroul, District-Bilaspur
Himachal Pradesh



Developed by:

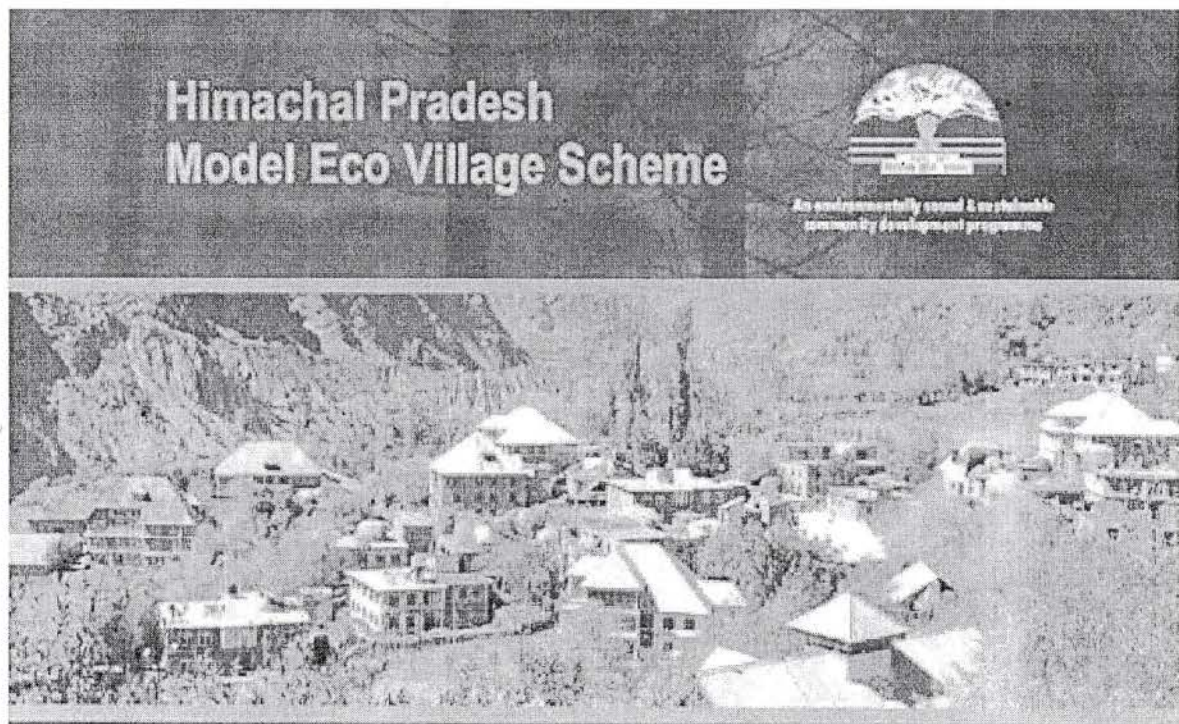


Department of Environment, Science & Technology
Government of Himachal Pradesh
Paryavaran Bhawan, Shimla-171001

Model Eco Village Scheme – A brief Note

The Government of Himachal Pradesh has notified a Model Eco Village Scheme vide notification No. STE-A(3)-4/2016-L dated 26/9/2017. This scheme is being implemented by the Government of Himachal Pradesh through Department of Environment, Science & Technology & concerned Block Development Office and district administration aiming to ensure sustainable development in an organized and integrated manner. The programme endeavours to sustain prosperity in villages that is built around sustainable use of the key natural resources of a village, through the adoption of low-impact practices that result in water security, food security and livelihood security for the village communities.

Under this scheme a village will be developed to promote transformative action and achieve sustainable development through environmentally responsible and responsive practices in the area of water management, waste management, energy conservation, management of natural resources, climate change action and sustainable livelihoods. This approach will not only help those stakeholders who are working to implement sustainable community development programme but also will set benchmarks for others to adopt and bring a radical change in thinking process of the communities at large in the State, especially in inculcating environmentally responsible behaviour.



This scheme is to be implemented in the selected village with the total financial outlay of Rs. 50 lakhs to be utilized over a period of 5 years as per the annual plan of action. Of this total outlay DEST shall provide a grant of Rs. 20.00 Lakhs per selected village to meet expenditure on execution of the recommended preparatory actions and funding of critical gaps. The balance funds as may be required over Rs. 20 Lakhs for activities shall be garnered through convergence and utilizing budgets from concerned line departments, district administration, etc. under various relevant ongoing Government schemes.

Eco Village Development Plan (EVDP)

As per the guidelines of the scheme an Eco-Village Development Plan (EVDP) for village Kandrou, Gram Panchayat-Kandrou, District-Bilaspur has been prepared by DEST integrating all the components and existing programs/schemes in operation in the village. The Plan has been initially drawn up for implementation in five years. The village level plan has included a Situational analysis, Baselines, Resource Mapping. All prescriptions are based on gap assessment & analysis taking into account the base line status of various environmental aspects pertaining to the actionable components and an annual component wise break-up of the activities. The EVDP has been developed through consultative and participative process, different from conventional planning.

Process of EVDP



Selection of Model Eco Village – Kandrou

As per the decision of State Government, it has been decided to develop Kandraur as model Eco-village for the year 2018-19. The same was conveyed to Deputy Commissioner Office vide this office letter number Env. S&T(F)-Eco Village-2016-2760 dated 4th September 2018. The Kandrou Bridge is a very old link between the Bilaspur and Hamirpur District and was built in the year 1965. This beautiful bridge is worth a visit as it is built across the Sutlej River and is one of the highest bridges in the world. It is located at a distance of 8 km from Bilaspur on the National Highway 88. The stunning beauty around the bridge and the scintillating Sutlej River, makes Kandraour Bridge Bilaspur's one of the most important tourist attractions. The Kandrou Bridge is situated in village Kandrou in Bilaspur and is measured 80 meters high from the river bed and 280 meters long. Its construction was started in the year 1959 and was completed in the year 1964. The length and breadth of Kandrou Bridge are 255 meters and 7 meters respectively. The bridge is surrounded by limestone rocks, that float across the Satluj River and lush green trees to make your experience more refreshing.

(Source: <https://www.tourmyindia.com/states/himachal/kandrou-bridge-bilaspur.html>).

Village Level Management Committee

In order to coordinate and guide the implementation of model eco village scheme in identified village Kandrou, Gram Panchayat Kandrou, Dev Block Sadar, District Bilaspur a Village level Management Committee of village Kandrou has been constituted vide No. Env. S&T-Eco-Village-Kandrou (Part-II) dated 29.12.2018 by DEST. The composition of the Committee is as follows:

President/Pradhan/Up-Pradhan (Gram Panchayat Kandrou)	Member
Representative of DEST	Member
Elected Member of Kandrou Village	Member
Representative of Forest Deptt./ Forest Guard	Member
Panchayat Secretary	Member

In addition to above members following will be the special invitees:

Representative of Agriculture Department	Special Invitee
Representative of Horticulture Department	Special Invitee
Representative of Revenue Department	Special Invitee
Representative of Him Urja	Special Invitee
Representative of Tourism Department	Special Invitee
Representative of PWD	Special Invitee
Representative of IPH	Special Invitee
In-charge Eco-club Government School	Special Invitee
Representative of Self Help Group,	Special Invitee

Government of Himachal Pradesh
Department of Environment, Science & Technology

Env. S&T-Eco Village-Kandrou (Part-II) Dated: Shimla-1, 2018

NOTIFICATION

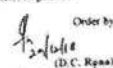
In pursuance of the provision of Eco-Village Scheme Guidelines-2017 notified vide STE-A(1)-4/2016-L. Jtmt 26/9/2017 the Village Level Management Committee under the Chairmanship of Block Development Officer, Dev Block Sadar, District-Bilaspur is hereby constituted comprising of the following members:

President/Pradhan/Up-Pradhan (Gram Panchayat Kandrou)	Member
Representative of DEST	Member
Elected Member of Kandrou Village	Member
Representative of Forest Deptt./ Forest Guard	Member
Panchayat Secretary	Member

In addition to above members following will be the special invitees:

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Representative of Revenue Department	Special Invitee
Representative of Him Urja	Special Invitee
Representative of Tourism Department	Special Invitee
Representative of PWD	Special Invitee
Representative of IPH	Special Invitee
In-charge Eco-club Government School	Special Invitee
Representative of Self Help Group, Mahila Mandal, NGO & FPOs.	Special Invitee

The Village Level Management Committee (VLMC) shall coordinate and guide the implementation of model eco village scheme in identified village-Kandrou, Gram Panchayat-Kandrou, Dev Block Sadar, District-Bilaspur. The VLMC shall report to State level Steering Committee through Member Secretary i.e. Director, Department of Environment, Science & Technology, Government of Himachal Pradesh, Parvathan Bhaswan, Shimla-1 w.r.t. progress, physical, financial targets etc.

Order by

(D.C. Rana)
Director (Env., S&T)
Government of Himachal Pradesh

Envdt. No. Env. S&T-Eco Village-Kandrou (Part-II) - 29.12.18 Dated: Shimla-1, 01.01.2019

Copy forwarded for information and necessary action to:

- The Deputy Commissioner, District-Bilaspur, HP.
- The ADM, District Bilaspur, HP.
- The Block Development Officer, Dev Block Sadar, District-Bilaspur, HP.
- The Concerned Members of the Committee.

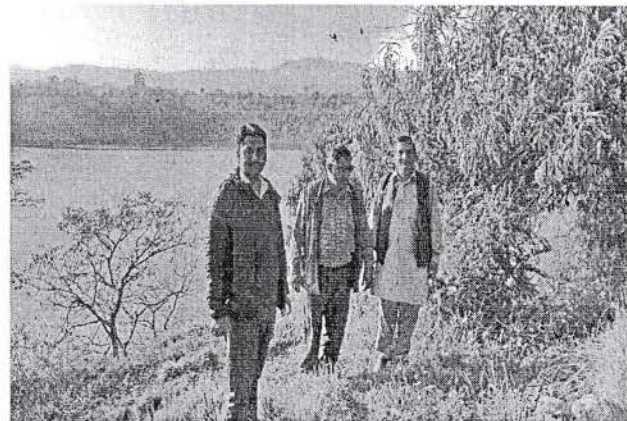
(D.C. Rana)
Director (Env., S&T)
Government of Himachal Pradesh

As per Notification the Village Level Management Committee (VLMC) shall coordinate and guide the implementation of model eco village scheme in identified village-Kandraur (Ward-1 & 2), Gram Panchayat-Kandraur, Dev Block Sadar, District-Bilaspur. The VLMC shall report to State level Steering Committee through Member Secretary i.e. Director, Department of Environment, Science & Technology, Government of Himachal Pradesh, Paryavaran Bhawan, Shimla-1 w.r.t. progress, physical, financial targets etc.



Map of Kandraur Village

In order to prepare Eco Village Development Plan (EVDP) a preliminary/consultation meeting has been convened in the month of November, 2018 with Gram Panchayat Pradhan and Panchayat Secretary. Later on meetings convened in office of the Gram Panchayat and BDO office, Sadar, Bilaspur.



Other details of Committees and Self Help Groups & Mahila Mandals, Yuvak Mandals

Details of Self help Group:

Sr. No.	Name	Position	Mobile Number
1	Dolam devi	Pradhan	9817290967
2	Dashosha devi	Up Pradhan	8544719032
3	Nirmla dhiman	Secretary	9625581444
4	Kaushalya devi	Cashier	8219258920

Details of Mahila Mandals:

Sr. No.	Name	Position	Mobile Number
1	Dolma Devi	Pradhan	9817290967
2	Manju Devi	Secretary	8219493876
3	Rimpi Devi	Up Pradhan	7018464390
4	Lalita Devi	Cashier	7018689321

Details of Yuvak Mandals:

Sr. No.	Name	Position	Mobile Number
1	Rakesh Kumar	Pradhan	9816012904
2	Rajeev Sharma	Secretary	9816072042
3	Jitender Kumar	Up Pradhan	8219987996
4	Pankaj kumar	Cashier	9816309799

Members of village Committee constituted to implement the Scheme:

Sr. No.	Name	Position	Mobile Number
1	Kuldeep Kumar Dhiman	Pradhan	9805701845
2	Raj kumar	Ward Member	9817015031
3	Rampal	Panchayat Secretary	8679819056
4	Naresh Kumar	Forest Guard	9817736428

Pradhan (GP Kandrouer)

Sh. Kuldeep Kumar Dhiman
Village Kandrouer, Gram Panchayat-Kandrouer,
Dev Block-Sadar, District-Bilaspur.

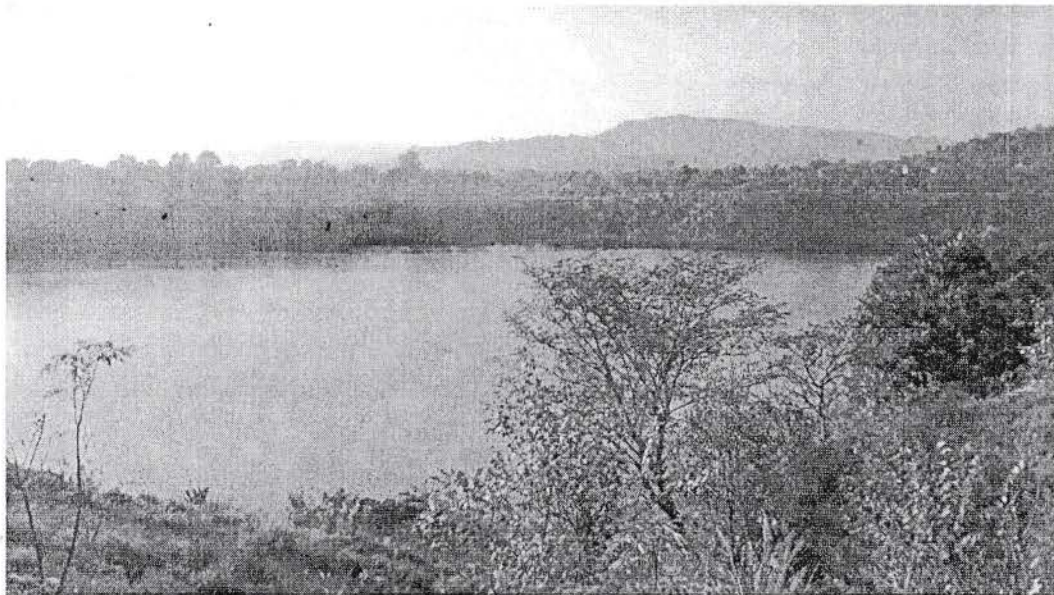
Ward Member (GP Kandrouer)

Ward No.1- Sh. Raj Kumar
Ward No.2- Smt. Ratni Devi

Village Kandrouer, Gram Panchayat-Kandrouer,
Dev Block-Sadar, District-Bilaspur.

Village Kandrouer-an Introduction

It is located at a distance of 8 km from Bilaspur on the National Highway 88. The stunning beauty around the bridge and the scintillating Suttlej River, makes Kandraour Bridge Bilaspur's one of the most important tourist attractions. The Kandrouer Bridge is situated in village Kandrouer in Bilaspur and is measured 80 meters high from the river bed and 280 meters long. Its construction was started in the year 1959 and was completed in the year 1964. The length and breadth of Kandrouer Bridge are 255 meters and 7 meters respectively. The bridge is surrounded by limestone rocks, that float across the Satluj River and lush green trees to make your experience more refreshing.





Google image of Kandrou village

History

The Kandrou Bridge is situated in village Kandrou in Bilaspur and is measured 80 meters high from the river bed and 280 meters long. Its construction was started in the year 1959 and was completed in the year 1964. The length and breadth of Kandrou Bridge are 255 meters and 7 meters respectively. The bridge is surrounded by limestone rocks, that float across the Satluj River and lush green trees to make your experience more refreshing.

Ward No. 1 of Kandrou village:

- Kandrou 1 ward of panchayat lies near the banks of Sutlej river. The soil of the ward is highly fertile. The villagers of this ward mainly grow wheat and maize (during Rabi and Kharif season). Few villagers also practice mushroom cultivation and grow seasonal vegetables for self-consumption in their fields. Agriculture is the main livelihood of major population in the ward.
- As described by Up-Pradhan soil erosion near banks of Sutlej is one of the major problems faced in the ward. It led to land erosion in fields of more than 20 households. Several measures were planned but none of them were implemented.
- On interaction with few families it was found that drinking water is supplied to the village almost every day. For irrigation purposes many households have constructed their own tube wells.
- There is only one stream in the ward which is seasonal in nature. The stream initiates from height and merges in the Sutlej.

Ward No. 2 of Kandrou village:

- The ward has no natural resource of water near its boundary. It has several dry streams which is leading to soil and land erosion at several places.
- Major population grows wheat, maize and vegetables like mustard, potato, raddish, turmeric, ginger etc. for self-consumption. Due to unavailability of water they don't grow vegetables in larger area.
- As conveyed by the ward member, villagers face problems in drinking water availability and the supply of water from IPH taps is every third day. The bowris constructed are either not in good conditions or are partially constructed. Hence, they have to travel long distance to hand pumps for collecting water.

Ward No.	Projects identified in each ward	Problems	Outcomes
Ward 1	Plantation of Khair (Acacia Catechu), Sheesham (DelbergiaSissoo), Beul (GuwiaOptiva), Mulberry (Morus), Keekar (Vachellianilotica), Bamboo (Bambusoideae), Amla (Phyllanthusemblica) in Forest Land (in 200 bigha)	Soil Erosion in Ward 1 near banks of Satluj	Reduction in soil and land erosion near the Satluj river, maintenance of ecological balance while plantation of medicinal plants like Amla will curtail problem of food security in rural households. 50 HHs will get fodder for their cattle from Khair, Behul, Bamboo and valuable wood (from Khair, Keekar), Primitive Timber (from DelbergiaSissoo) and sericulture can be done from Mulberry trees (Morus)
Ward 1	Solar Fencing	Wildlife destroys the major crops grown by farmer	Less destruction of crop and increase in agriculture income
Ward 2	Repair of Bawdi	Incomplete construction of existing baoli in ward. No access to drinking water to households near the baoli.	Irrigation water/ Drinking water/ water for cattle will be available for 50 households.

Demographic Profile

▪ Total households	231
▪ Total Population	986
▪ No. of males	497
▪ No. of females	489

Agriculture, Horticulture & Animal Husbandry

The economy of villagers of village Kandrouer is totally based upon the agriculture. Wheat and maize are the major crops.

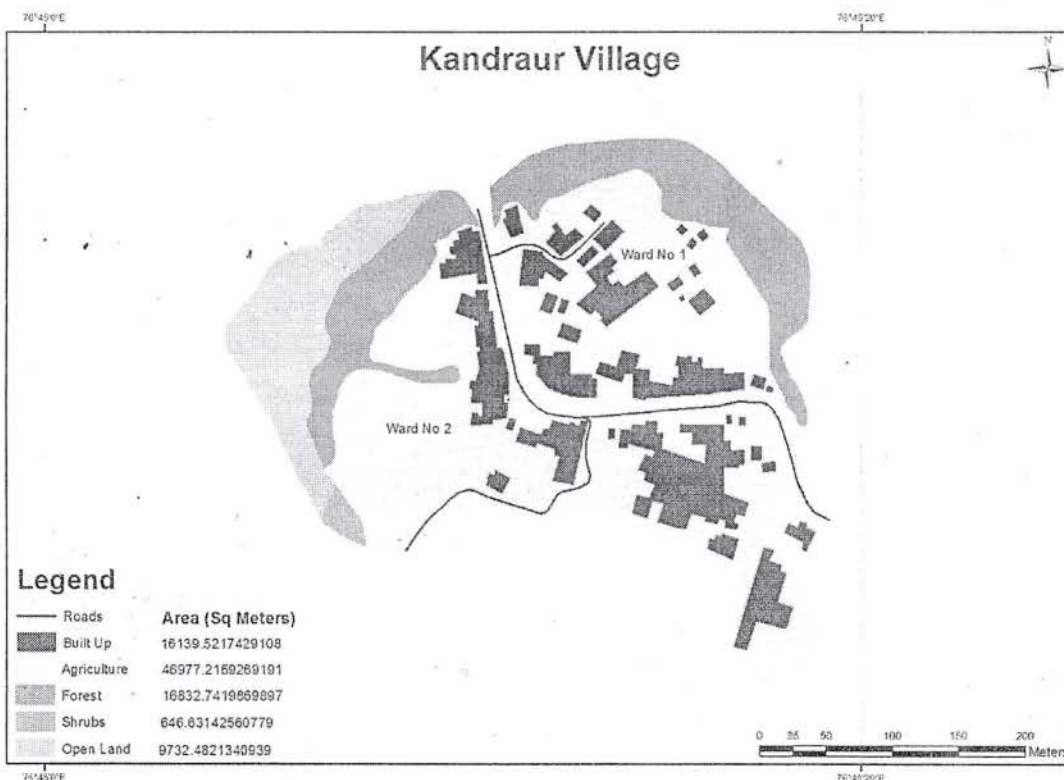
There are about 20-25 people, who are growing mushroom in houses.

Forests

Usually, four different seasons represent the surrounding area, i.e., winter (Mid-December to February), summer (March to June), rainy (July to Mid September), autumn (October to November). Winter is calm in low down areas, while it snows on high peak ranges. Springs are warm and fair. Rainy season is the wettest part of the year and characterized by high humidity. The temperature ranges between 4° C and 41° C. The local inhabitants are dependent largely on forests for medicinal and wild edible plants, fuel, fodder, timber agricultural tools, religious, fibre, livestock grazing and various other purposes. The village Kandrouer is surrounded by *khair*, *sehtoot* and *mango and gauva* plants.

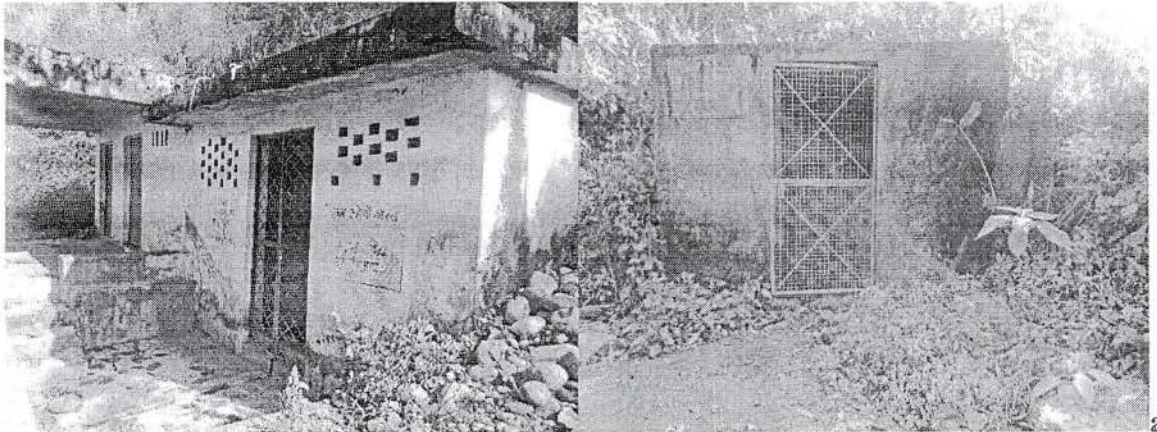
Land-use

A land-use map shown depicts that about 60 to 70% of village is having agriculture land. About 10-20% area is available Forest land. And there are only 10% area under built up area which covers houses/buildings, village roads etc.



Water Sources

There is irrigation scheme available in the village by the I&PH Department. For irrigation the Farmers are totally dependent on rain water for irrigation.



Bawadi, near Sh. Ram Dass home

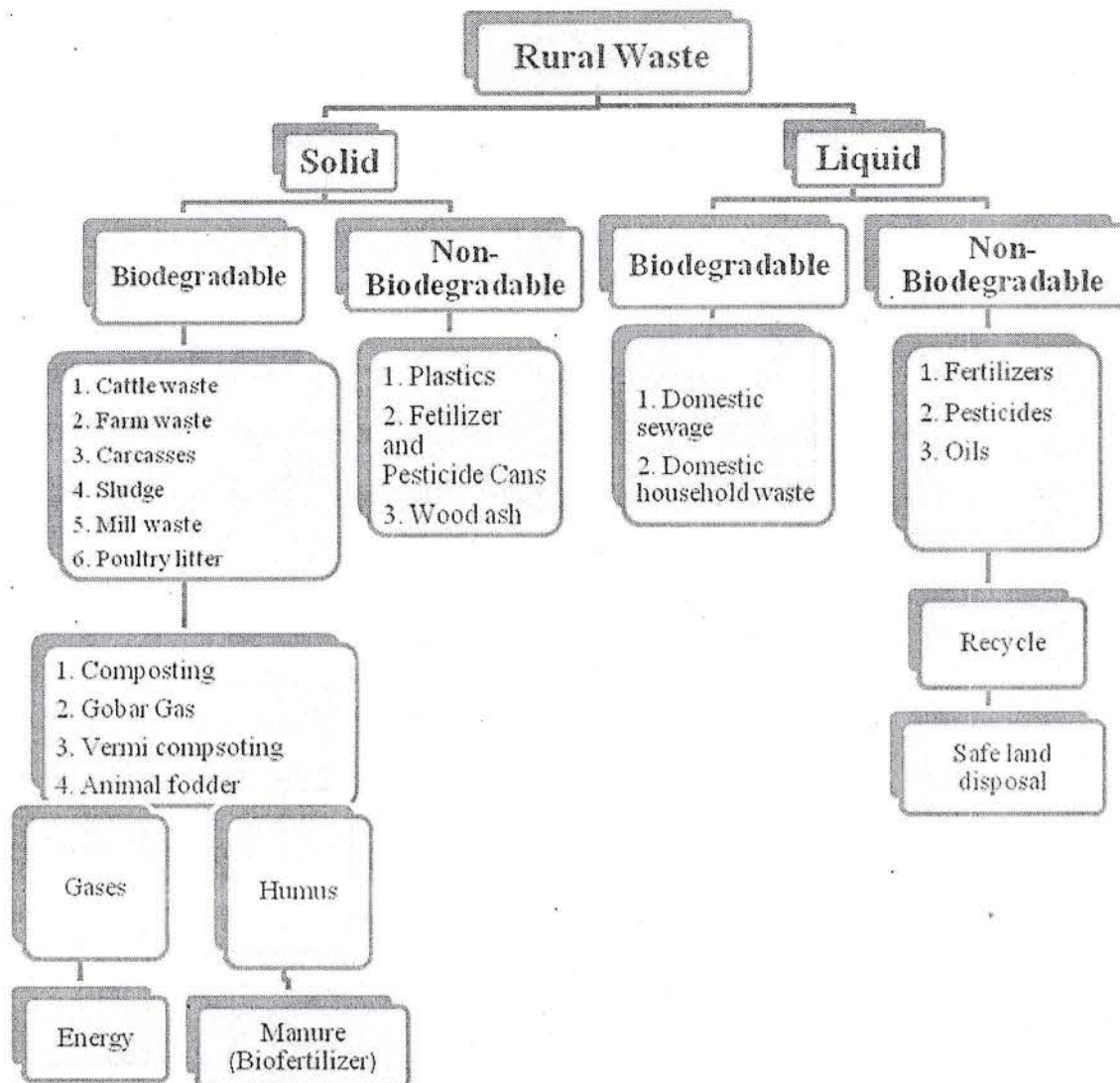
Renewable Energy

Village is facing problem especially during power cuts in winters. No solar light is installed in village. Solar energy can be used one of the energy source in the village. The village has great potential to trap solar energy.

Solid Waste Management

Garbage is being collected in dust bins at house hold level and disposed off in pits at designated places.

There is no provision to collect & manage waste water generated from the kitchen. Waste water generated from the house kitchen is coming out and creating smell and pollution in and around the village. Some of soak pit kind of system is made available in the village.



A schematic diagram showing rural waste and its disposal

Village Paths

Most of the village paths are constructed traditionally. In some locations village paths are paved with concrete. Natural village paths are more environment and eco friendly as compare to concrete path.

Tourism

There is a great potential in village Kandrou from tourism point of view. Village itself is can be developed as a tourist destination for water sports activities and nature loving tourists.

Gap Analysis

Following gaps have been identified after detailed analysis of baseline data and information available:

- Available natural water springs/*bawaries* need to be maintained, restored and protected as per the guidance/ suggestions of Village level Water Management Committee.
- Farmers are dependent upon rainfall for irrigation. At present there is no provision of irrigation systems/rain water harvesting structure, especially for horticultural activities. There is a need to develop climate smart irrigation system and rain water harvesting systems.
- Provision of collection of solid waste generated from village is required to be made. However, concrete waste collection chambers are there.
- Use of renewable energy especially solar energy need to be explored.
- All construction works like village paths etc. required to be constructed without using concrete.
- In order to increase forest cover density more plantations is required to be done in and around the village especially in forest land or catchment area upside the village.
- Enhance economic strength of villagers by adopting eco friendly tourism development activities near Kandraur.
- Conducting awareness campaign about natural farming/kheti, cleanliness and other important aspects of environment and climate change.

Actionable points

After detailed analysis the following actionable points have been emerged:

- Effective Solid Waste Management System and construction of Bio compost pits.
- Maintenance, restoration and protection of natural springs/*bawaries*.
- Provision of efficient irrigation through efficient rain water harvesting structures, water tanks/ponds and climate smart irrigation technologies (drip irrigation, sprinklers etc.)
- Construction of soak pits for managing waste water flowing from kitchens.
- Use of renewable energy/solar energy (water heaters, solar lights etc.) to reduce pressure on bio-mass/ fuel wood.
- Construction & maintenance of eco friendly village paths without using concrete.
- Plantation in forest land to increase forest cover density.
- Support to the eco-tourism.
- Awareness campaigns.

Sr. No	Activity	Calendar Year																			
		1 st Year				2 nd Year				3 rd Year				4 th year				5 th year			
		Quarter				Quarter				Quarter				Quarter				Quarter			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	Waste Management practices '3R's																				
2	Traditional knowledge																				

	practices																			
3	Sustainable transport, eco-tourism, village road or connectivity																			
4	Renewable Energy																			
5	Irrigation practices/ Rain Water harvesting																			
6	Bio Compost technologies																			
7	Plantation activities																			
8	Climate Change																			

The Baseline Data for Kandrouer village:

Baseline Data collected for village:

Name of Village : Kandrouer Name of Panchayat : Kandraur
Block Name : Sadar Name of District : Bilaspur

1. Availability of Village Map:

Panchayat Revenue Department Concerned
BDO

2. Land use map:

Panchayat Revenue Department Concerned
BDO

3. Demographic profile:

- i. Total households : 231
- ii. Population : 986
- iii. No. of males : 497
- iv. No. of females : 489
- v. No. of BPL Families : 43
- vi. Mahila Mandals : 2 -(a) MM Kandraur (b) MM Dhar
- vii. Yuvak Mandals : 1 Kandraur
- viii. Self Help Groups : 1 Radha Krishna SHG - Kandraur

4. Agriculture:

- i. Major crops : Maize
- ii. Marketing : Bilaspur

5. Horticulture:

- i. Major Crops : Ginger, Potato, Brinjal
- ii. Marketing : Nil

6. Animal husbandry:

- i. Families involved in Animals husbandry :212
- ii. Livestock : **Goat, Cow, Buffalo**
- iii. Dairy Milk Production: Sufficient for personal consumption

7. Socioeconomic Profile:

- i. Major: Horticulture Agriculture Animal husbandry
- ii. Minor: Business Wages Govt. job

8. Members of village Committee constituted to implement the Scheme :

Sr. No.	Name	Position	Contact No.
1	Sh. Kuldep Dhiman	Pradhan	9805701845
2	Rampal	Panchayat Secretary	8679819056
3	Sh. Raj Kumar	Ward member	98170 15031
4	Sh. Naresh Kumar	Forest Guard	98177 36428


9. Functional component of Eco-Village/activities to be undertaken:

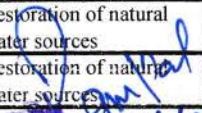
Sr. No.	Component	Status		
		Existing	Proposed	
1	Protection and Conservation of Natural Water Sources/springs.	a) No. of water sources in the village.	04	02
			a) Near Ram ji Das House b) Roshan Lal c) Katwal Basti d) Shamshan Ghat	a) Near Shamshan Ghat b) Near SVM School
		b) No. of critical spring sources identified and prioritized for conservation.	-	-
		c) No. of spring recharging structures available.	-	-
		d) No. of village level committees constituted to check the water sources.	01	05
		e) No. of awareness campaign in village previously conducted to protect/conserv the natural water source.	01	01
		f) No. of studies conducted relating to vulnerability of springs.	-	-
	g) No. of climate resilient spring shed development plan.	-	-	

		management committees constituted in the village.	01	01
4	Adoption of Renewable Sources of Energy.	i. No. of biogas plants in the village.		
		ii. No. of Solar Lights and Heaters in the village.	10	23
		iii. No. of awareness programmes conducted in the village about use of renewable sources of energy.	01	02
		iv. No. of Solar pump for lifting of water which is used for clusters.	-	-
		v. No. of Solar fencing done in the village farmland to protect it from stray/wild animals.	-	1
5	Solid Waste Management-Cleanliness.	i. No. of villagers who collect Non-Bio-degradable waste at one place and reused or sent for disposal through vendors.	-	1
		ii. No. of villagers who know & practice vermi composting techniques to degrade the Bio-degradable waste in to manure.	04	04
		iii. No. of farmers who is aware of Source Collection, Segregation and Composting techniques.	04	0
		iv. No. and details of practices noticed where villagers re-used unwanted goods and material.	-	-
		v. No. of community based groups (MM, YM, NGO etc.), which are aware of solid waste management techniques.	02	02
6	Forest Management and assured Eco Services.	i. No. of areas adopted for plantation.	-	25 Bigha

PROPOSED WORKS TO BE DONE UNDER ECO VILLAGE SCHEME OF KANDRAUR VILLAGE

Sr. No	Name of work	List of beneficiary families	Recommended works	Approved amount	Convergence from MGNREGA	Convergence from 14 th finance commission	Model ECO Village, Dast Contribution in lakhs Dest	Convergence From Agriculture	Convergence From SBM	Benefit of work
1	Solar Light	150	23	460000	-	-	460000	-	-	To save environment
2	Entry gate	150	2	100000	-	-	100000	-	-	Information regarding Eco-village
3	Solar fencing, Gsss kandrour up tokandrour Bridge	150	1	1405422	-	-	100000	1305422	-	To save environment
4	Flood Control Near nikku ram house Nal	20	1	325000	225000	-	100000	-	-	To save environment
5	Flood Control Near Raj kumar, Roshni Land Nala	20	1	325000	225000	-	100000	-	-	To save environment
6	Flood Control sham shan ghat kandrour	70	1	325000	225000	-	100000	-	-	To save environment
7	Flood Control near ramesh land nala kandrour	75	1	325000	225000	-	100000	-	-	To save environment
8	Flood Control near bhuri singh land nala	55	1	325000	225000	-	100000	-	-	To save environment
9	Connectivity under ground Drain with chamber of house holds (grey water)	75	370 m	170000	-	-	-	-	170000	To save environment (liquid waste and solid waste)
10	Community leach pit	75	1	72000	-	-	-	-	72000	To save environment (liquid waste and solid waste)
11	Varmi Compost Seeta devi W/O Nand Lal Kandror	10	1	70000	35000	-	35000	-	-	To save environment
12	Varmi Compost Raj kumar s/o jai singh kandrour	10	1	70000	35000	-	35000	-	-	To save environment
13	Varmi Compost baidev singh s/o tota ram kandrour	10	1	70000	35000	-	35000	-	-	To save environment
14	Varmi Compost mast ram s/o devi ram kandrour	10	1	70000	35000	-	35000	-	-	To save environment
15	Maintenance of Bawari Katval Basti kandrour	50	1	60000	-	30000	30000	-	-	Restoration of natural water sources
16	Maintenance of Bawari Shan Shan Ghat Kandror	70	1	60000	-	30000	30000	-	-	Restoration of natural water sources
17	e/o bawari of se basti lajvanti house kandrour	55	1	60000	-	30000	30000	-	-	Restoration of natural water sources
18	Maintenance of Bawari near ram ji das house	50	1	60000	-	30000	30000	-	-	Restoration of natural water sources
19	Maintenance of Bawari near svm school kandrour	40	1	60000	-	30000	30000	-	-	Restoration of natural water sources


 कृषि सहायक, कन्दरौर
 वि.सं. सदर, बिलासपुर (हि.प्र.)


 कृषि सहायक, कन्दरौर
 वि.सं. सदर, बिलासपुर (हि.प्र.)

20	Raising Nursery of Fruit Plants in Forest Area	100	1	60000	10000	-	50000	-	-	To develop model Eco village
21	Awareness Camp/Training Material to Mushroom grower	70	-	45000	-	-	45000	-	-	To spread awareness
22	Publiicity Board /Information Regarding Eco Village		3	15000	-	-	15000	-	-	To spread awarenes
23	RwhTank nathu ram S/o sukh ram	3	1	100000	70000	-	30000	-	-	Water Congervation
24	Rwh Tank Lata devi W/o nek ram	3	1	100000	70000	-	30000	-	-	Water Congervation
25	Rwh Tank Rajender s/o Ram lal	3	1	100000	70000	-	30000	-	-	Water Congervation
26	Pragti, Palam, Pitamber and Palam Lalima seeds, FYM, Chemical fertilizer, urea, Weedicides & PPM Traps & training of farmers of 100 Nos.	75	-	103566	-	-	-	103566	-	To improve the varieties in aggriculture products & farmers income
27	Broccoli seeds, FYM, Chemical fertilizer, urea, Weedicides & PPM Traps & training of farmers of 100 Nos.	6	-	14981	-	-	-	14981	-	To improve the varieties in aggriculture products & farmers income
28	C/o View point near Kandraur Bridge	1	-	350000	-	-	350000	-	-	Point for the people to get healthy envoirement and enjoymnt of lake view
TOTAL				5300969	1485000	150000	2000000	1423969	242000	

प्रधान
ज्ञान पंचायत कन्दौर
बि.सं.स. उखर, किल्लापुर (हि.प्र.)

सचिव
ज्ञान पंचायत
बि.सं.स. उखर, किल्लापुर (हि.प्र.)

जैवविविधता प्रबंधन समिति का गठन

ग्राम पंचायत का नाम कालीसर जिला बिजनौर
दिनांक 22-1/08/2017

सेवा में,

सदस्य सचिव
हि.प्र. राज्य जैवविविधता बोर्ड
O/O पर्यावरण भवन, नू एन क्लब
शिमला हि.प्र. 171001

विषय : ग्राम पंचायत स्तर पर जैवविविधता प्रबंधन समिति का गठन।

महोदय जी,

मान्य पर्यावरण स्तर पर ग्राम के पंचायत द्वारा जैवविविधता अधिनियम 2002 की धारा (4) के उपधारा (1) के अन्तर्गत जैवविविधता प्रबंधन समिति का गठन करने का संकल्प किया है। ग्राम सार्वजनिक समिति की विस्तृत सूचना नम संलग्न शीट संलग्न है।

धन्यवाद



हस्ताक्षर [Signature]
दिनांक 22/08/17

ग्राम स्तर पर जैव - प्रबंधन समिति का संकल्प

जैव-विविधता प्रबंधन समिति (बी.एम.सी) का गठन

संकल्प संख्या 107

दिनांक 22/08/2017

ग्राम पंचायत का नाम कालीसर ब्लॉक कालीसर जिला बिजनौर

दिनांक 22/08/2017 को 11:30 बजे ग्राम पंचायत की बैठक ग्राम पंचायत के कार्यालय में श्रीमान/ श्रीमति कुलदीप कुमार धीमान पंचायत सचिव की अध्यक्षता में की गई जिसमें श्री विमल के प्रधानीय निदेश द्वारा अधिनियम 2002 की धारा 41के उप-धारा 1 के अन्तर्गत जैव-विविधता प्रबंधन समिति का पाठ संघ के लिए गठन किया गया।

समिति के सदस्यों का सूची

क्र.सं	नाम व पता	आयु	वर्ग	हस्ताक्षर
1	कुलदीप कुमार धीमान	62	अध्यक्ष	[Signature]
2	रवनी देवी	54	महिला सदस्य	[Signature]
3	गुलशन	51	महिला सदस्य	[Signature]
4	पूजा देवी	48	SC/ST सदस्य	[Signature]
5	राज कुमार	45	सदस्य	[Signature]
6	पुनर्भोतम ठाकुर	29	सदस्य	[Signature]
7	रामपाल	30	सचिव	[Signature]



हस्ताक्षर [Signature]
दिनांक 22/08/17

जैव विविधता समिति के सदस्यों का ब्यौरा /विस्तृत जानकारी संलग्नक-1

क्र. सं.	वर्ग	सदस्य का नाम	पिता/पति का नाम	मोबाईल नं./दूरभाष	उम्र	जाति	व्यवसाय	पहचान पत्र की संख्या	हस्ताक्षर
1	अध्यक्ष	कुलदीप कुमार धीमान	जीरामदेव शाल	9805701845	64	अ.जा.	पितायते	202689653022	<i>[Signature]</i>
2	सदस्य	रत्नो देवी	बलदेव	9817303488	54	सामा. स्त्री	गृहणी	63763313937	<i>[Signature]</i>
3	सदस्य	मूलराम	रमजीत	7690948746	51	सामा. स्त्री	गृहणी	956420944566	<i>[Signature]</i>
4	सदस्य	कला देवी	मेहरनाथ	8161834896	44	अ.जा.	गृहणी	301207451947	<i>[Signature]</i>
5	सदस्य	राज कुमार	अमरनाथ	8811015821	45	सामा. स्त्री	सामान्य	167593021127	<i>[Signature]</i>
6	सदस्य	पद्मोत्तम ठाकुर	सुखराम	9816125611	53	सामा. स्त्री	गृहणी	93143663044	<i>[Signature]</i>
7	सचिव	रमनाथ	शिव शरण	8879819856	50	अ.जा.	गोपनी	879857347212	<i>[Signature]</i>

नोट: नृपया आधार नम्बर, मतदाता पहचान पत्र का पत्र नम्बर भी प्रतिस्थापित संलग्न करें।

हस्ताक्षर
जैवविविधता प्रकल्प समिति

दिनांक: 16/09/2019

Constitution of Bio-diversity committee at village Kandaur



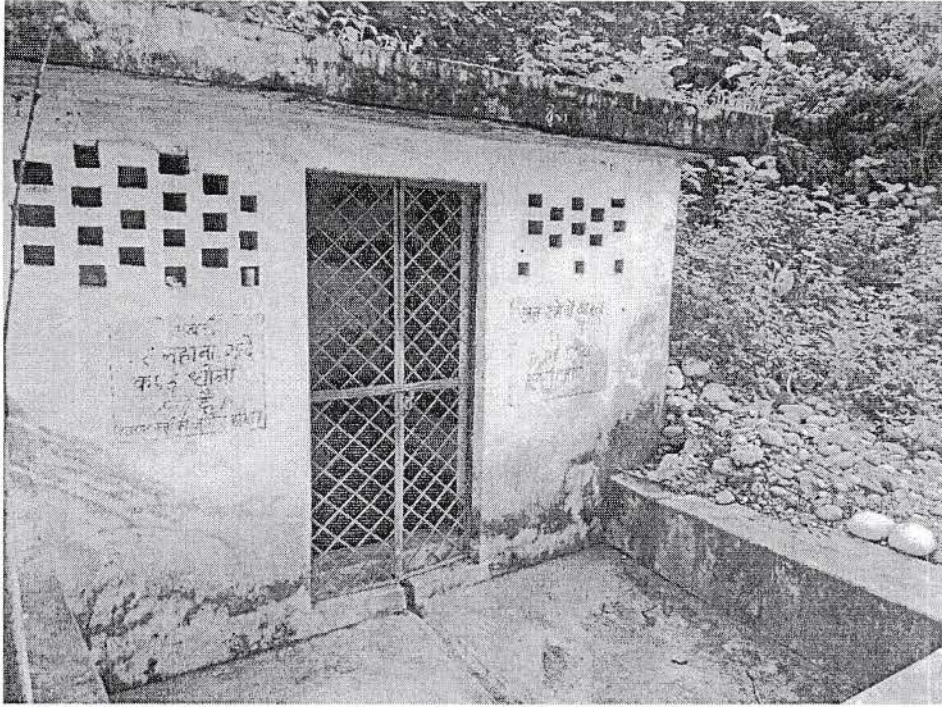
फलड कंट्रोल नियर निक्कू राम हाउस नाला कंदरौर



शमशान घाट कंदरौर के पास नाले में चेक डैम का स्थान



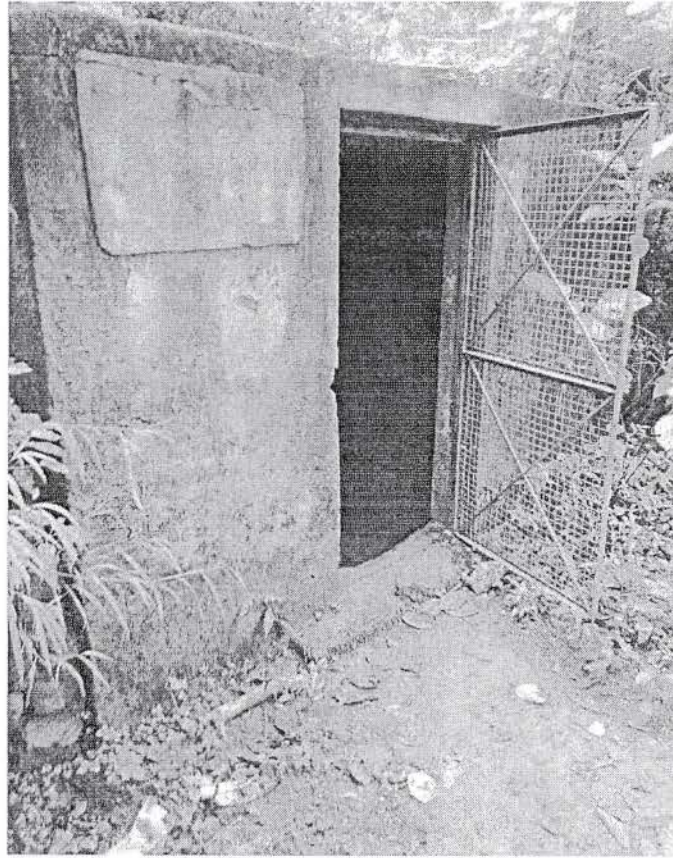
राजकुमार रोशनी देवी की जमीन के पास नाले में चेक डैम का स्थान



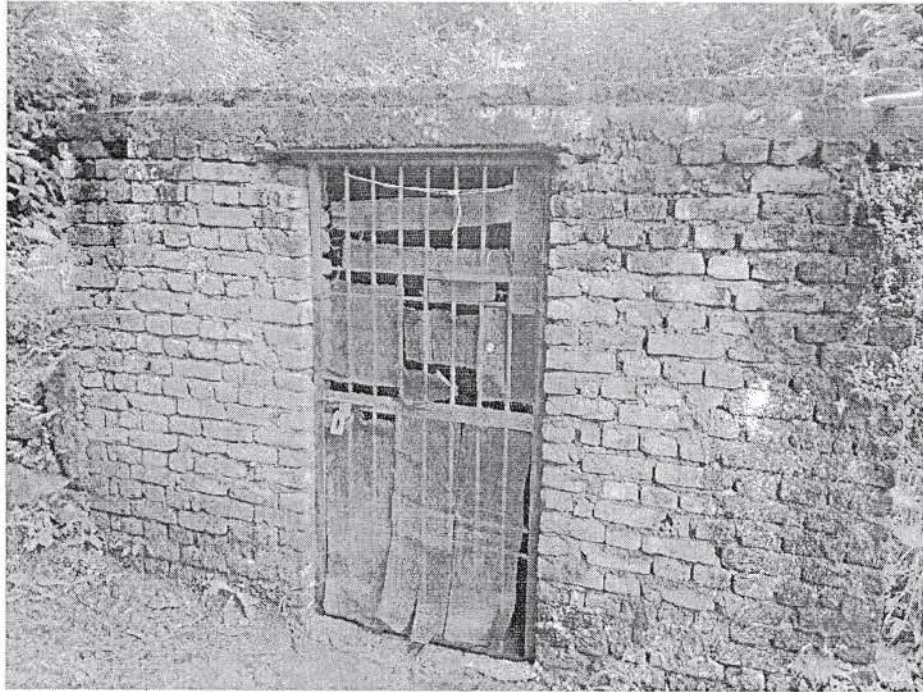
बावड़ी रिपेयर नियर श्मशान घाट कंदरौर



वर्मी कंपोस्ट प्लेस श्रीमती सीता देवी वाइफ ऑफ श्री नंदलाल लैंड



बावड़ी रिपेयर नजदीक एसबीएम स्कूल कंदरौर



बाबरी रिपेयर नजदीक राम जी दास के घर के पास



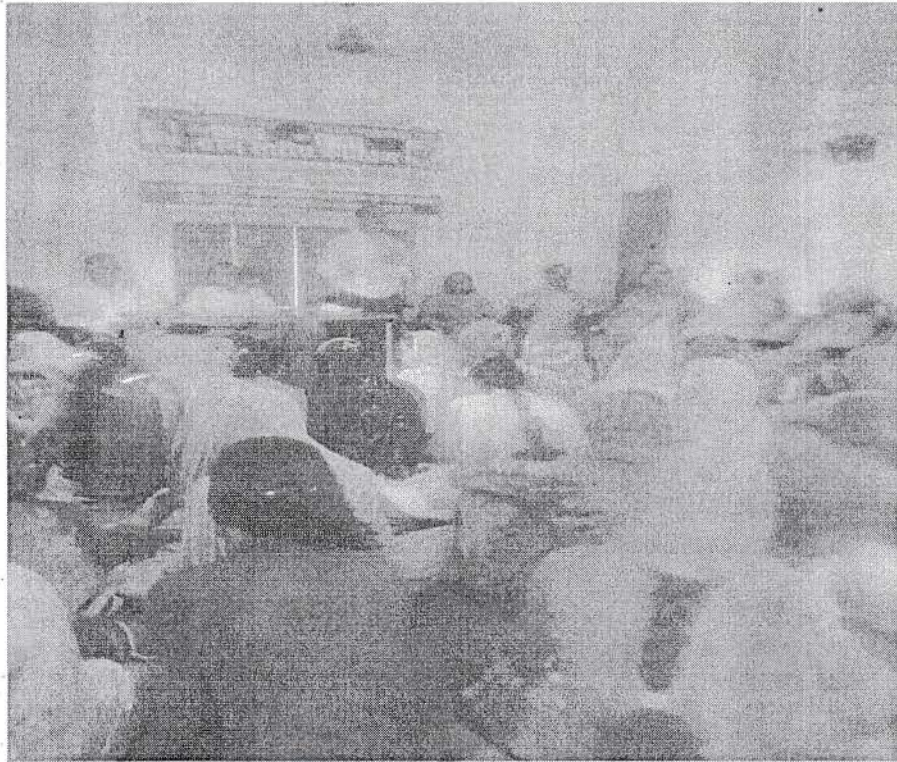
फलड कंट्रोल नियर में चांद लैंड पंचायत कंदरौर



फलड कंट्रोल नियर सुभाष चंद्र लैंड एंड रत्नीदेवी ग्राम कंदरौर

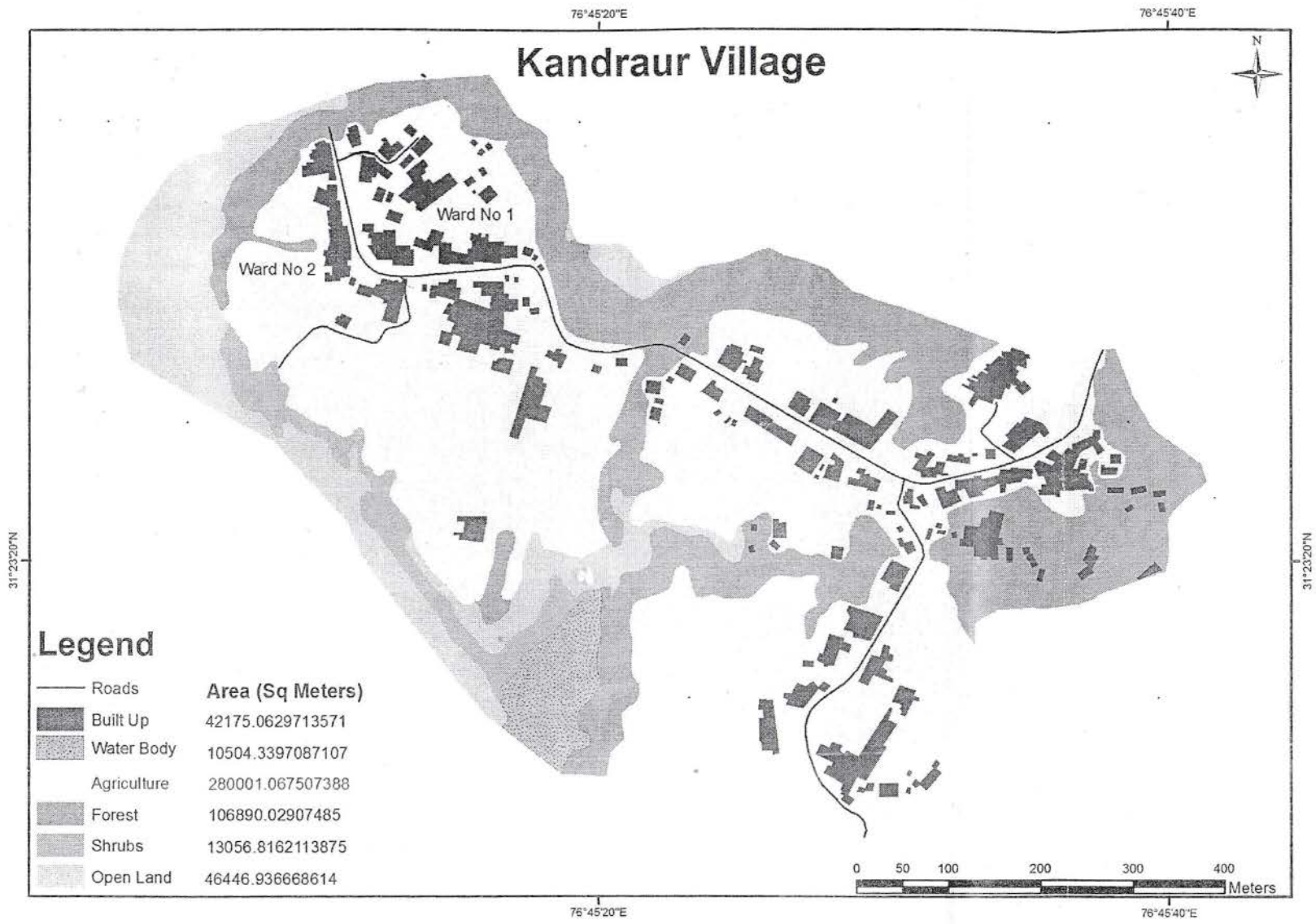


चेक डैम नजदीक भूरी सिंह की जमीन के पास का स्थान ग्राम पंचायत कंदरौर



Gram Sabha meeting

26



No. Agr. BLS ECO Village 1250
Department of Agriculture
Himachal Pradesh

From Deputy Director of Agriculture
Bilaspur, District Bilaspur HP

To The Deputy Director cum Project Officer,
Distt Rural Development Agency,
Bilaspur District Bilaspur H.P.
Dated: 18.07.2020

Subject: **Eco Village Development Plan (RVDP).**

Sir,
Kindly refer to earlier Eco Village Development Plan was submitted to your good office for approval.

In this context, it is submitted that the additional plan for growing of crops is also be included in ECO Village Development Plan Kandrouer.

This is for your kind information please.

Yours faithfully,

Milind
Deputy Director of Agriculture
Bilaspur, District Bilaspur HP

*J.E.
D.D. cum P.O.*

Plan for growing of crops in Eco Village Development Plan
Area under Turmeric= 6 bigha

Time of sowing: **March- April** (irrigated areas) early crop
Late crop: **June- July** (Un - irrigated areas)
Variety to be grown: Pragati, Palam Pitambar and Palam Lalima etc
Spacing: 30x 20 cm
Maturity time: Early crop: November month (Seven month crop) (irrigated areas)
Late crop : January Month (Un - irrigated areas)
Yield: 150-200 qtl/ ha. Or 12-16Qtl/ Bigha

Sr. No.	Component	Unit	Qty	Rate	Amount
1	Seeds	Qtls	12 qtl	6000/ qtl	72000
2	FYM	Qtls	96 qtl	290/ Qtl	27840
3	Chemical fertilizers				
	N.P.K (12:32:16)	Kg	45 Kg	1185/50 kg bag	1066.5
	Urea 46%	kgs	30	266.5/per 50 kg bag	159.9
4	Weedicides & PPM	Kg/litre	5	200	1000
5.	Traps	Nos.	15	100	1500
	Total				103566.4
5	Preparation of field/sowing/ /irrigation/ spraying	Units	-	-	(By the farmers)
6.	Training of farmers of 100 Nos.	-	-	-	By the Department

Area under Broccoli= 3 bigha

Time of Nursery sowing: September- October
Nursery planting in the field- October- November
Variety to be grown Palam Hritika, Palam Kanchan, Palm Bichitra and hybrid seed etc.
Spacing: 45x45 cm
Maturity time: start in the third week of November
Yield: 200-250 qtl/ ha. Or 18-20Qtl/ Bigha

Sr. No.	Component	Unit	Qty	Rate	Amount
1	Seeds	Qtls	120 gm	45000/Kg Hybrid seed	5400
2	FYM	Qtls	48 qtl	290/ Qtl	5220
3	Chemical fertilizers				
	N.P.K (12:32:16)	Kg	75Kg	1185/50 kg bag	1777.5
	Urea 46%	kgs	72	266.5/per 50 kg bag	383.76
4	Weedicides & PPM	Kg/litre	6	200	1200
5.	Traps	Nos.	10	100	1000
	Total				14981.26
5	Preparation of field/sowing/ /irrigation/ spraying	Units	-	-	(By the farmers)
6.	Training of farmers of 100 Nos.	-	-	-	By the Department

DRDA

Model -7

COST ESTMATE (AS PER APPROVED RATES)

Indicative requirement of material for Composite Fencing integrated with G.I. Wire Mesh of 0.60m height and Solar Electric Fencing of 1.20m height for the perimeter length of 1500meters.

Sr .No.	Particular	Unit	Quantity			
1	Fence Length (Perimeter)	Meter	1500			
2	Total Fence Height above ground level	Meter	1.80			
a	Height of wire mesh	Meter	0.60			
b	Height of wire rows	Meter	1.20			
3	Number of wire rows / strands	Number	5			
4	Spacing between wire rows above wire mesh to up wards	Meter	0.15+ 0.15+ 0.30+ 0.30+0.30			
5	Pole to Pole distance	Meter	5			
6	Total Pole Height (Above+Below Ground level (0.45m)	Meter	2.25			

Estimate cost

Sr. No.	Name of items	Quantity	Unit	Rate (Rs.)	Amount (Rs.)	Remarks
A	G.I. Wire Mesh					
1	Excavation in earth work and disposal of all excavated earth up to a lead of 20 metres and lift up to 1.50 metres disposed earth to be levelled and neatly dressed in P.J.W. 50% each.(Pit Size - 0.60MX0.60MX0.45M)	69.01	Cum	282.00	19460.82	CuM x number corner/end, intermediate and support posts
2	Excavation in earth work and disposal of all excavated earth up to a lead of 20 metres and lift up to 1.50 metres disposed earth to be levelled and neatly dressed in P.J.W. 50% each.(Pit Size - 0.40MX0.40MX0.40M) for Angle posts	19.20	Cum	282.00	5414.40	CuM x number intermediate and posts
3	Providing and laying cement concrete 1:3:6 (1 Cement : 3 Sand: 6 Graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work in foundation and plinth:	88.21	Cum	5874.00	518145.54	
5	Intermediate Posts including Nut Bolts with support at end of Angle Iron 35x35x5mm (2Piece) -1.20m high for supporting Chainlink fencing of 0.60m high . 200 Nos. of (0.60+0.40)=1.00m height @2.60 Kg./m =	780.00	Kg.	75.00	58500.00	
6	Providing and fixing of Wire mesh by M.S Flat iron Strip (25x3 mm @0.600Kg./m) with Angle poles including nuts and bolts. (0.60 m height)	108.00	Kg	75.00	8100.00	

7	Interlink chain (Galvanised Steel Chain Link Fence Fabric) intended for various purposes conforming to IS:2721-2003, hot dip galvanised as per IS4826:1979, The fencing material shall be made from steel wire, confirming to IS280:2006, helical wound and interwoven in such a manner as to provide a continuous mesh without knots or ties except in the form of knuckling the ends of the wires to form both ends knucked selvage of the fabric.	900	Sqm	175.00	157500.00	
Total of A					767120.76	
B. Solar Fencing work						
The Electrical Unit						
8	Energizer(Input Voltage: 12V DC, Input Current: 500MA, Output Voltage: 6.0 KV - 10.0 KV, Pulse Interval: 1.2 Second, Pulse Duration: 0.3 Milli Second, Output energy: 2.5 Joules)	1	Each	10400.00	10400.00	
9	Solar PV Module-72 Wp	1	Each	4500.00	4500.00	
10	Battery-80 Ah	1	Each	11500.00	11500.00	
11	Hooter-118 DB	1	Each	220.00	220.00	
12	Lightening Diverter-Copper	2	Each	885.00	1770.00	
13	Mounting box with post -Mild Steel with Powder coating	1	Each	5500.00	5500.00	
14	Module Mounting Structure with Pole-Mild Steel with Powder coating	1	Each	850.00	850.00	
Instruments / tools						
15	Digital Multi meter-Range Upto -12 KV	1	No.	4720.00	4720.00	
16	Xenon Flash Tube	1	No.	700.00	700.00	
17	Neon Tester	1	No.	525.00	525.00	
18	Tool kit (wire tightener handle twisting tool, pliers, double ended spanner for joining clamp tighteninig	1	No.	800.00	800.00	
19	H.T. Wire-ACSR Conductor wire, 2.59 mm (12 guage), TATA make	7600	Meters	6.25	47500.00	Total perimeter for protection X no. of wire rows + 100 m extra
20	Corner / End Posts including Nut Bolts with support at end of Angle Iron 35x35x5mm (2Piece) -MS with Galvanised, 40x 40 Sq.mm or round Pipe (Medium Class), 6.5 Feet with PP Insulator riveting	32	No.	928.00	29696.00	
21	Support Posts including Nut Bolts with support at end of Angle Iron 35x35x5mm (2Piece) MS with Galvanised, 25x 25 Sq.mm or round Pipe (Medium Class), 6.5 Feet with PP Insulator riveting	94	No.	684.00	64296.00	2 each at corner/end post + 2 at each post at 10 m

22	Intermediate Posts including Nut Bolts with support at end of Angle Iron 35x35x5mm (2Piece) -MS with Galvanised, 25x 25 Sq.mm Pipe or round Pipe (Medium Class) , 6.5 Feet with PP Insulator revetting	300	No.	684.00	205200.00	As per spacing
23	Corner Poles/End Insulators (Strain Insulator) -Poly Propylene	160	No.	14.00	2240.00	No. of Corner post and end post X number of wire rows
24	Intermediate Poles Insulators (Reel Insulators) -Poly Propylene	1500	No.	8.00	12000.00	No. of intermediate posts X number of wire rows
25	MS-Wire Tightners	75	No.	62.00	4650.00	One each at 100 m fence length
26	Tension Spring -Galvanized coated as per Indian Spring	75	No.	147.00	11025.00	One each at 100 m fence length
27	Flood Gate Controller with Drop Chain	1	No.	200.00	200.00	
28	Cutout Switch -Poly Propylene	1	No.	1500.00	1500.00	One at the Gate or at system
29	Joint Clamps-GI	75	No.	8.00	600.00	One each at 100 m fence length
30	Double Insulated Cable Single Core-ACSR wire, 2.0mm Dia	50	mtr	25.00	1250.00	1.S
31	Earth Kits (Galvanizing)-Copper	3	No.	450.00	1350.00	One at each 500 m fence length
32	Warning Sign Boards-PVC	15	No.	30.00	450.00	One each at 100 m fence length
	Total of B				423442.00	
	Grand Total (A+B)				1190562.76	
III	Installation Charges	1500.00	Meters	75.00	112500.00	
IV	System Testing & Commissioning				2360.00	
	Total				1305422.76	
	Cost per meter of fence length				870	