



Poultry farm at Metakha

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Practical differs from classroom

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Vegetable production picking up in Dungbi village

Dzongkhag Agriculture Sector, Zhemgang



A group member working at the field

Growing of vegetables plays an important role in farmer's household income generation supplementing their nutritional value. To encourage vegetable at a semi-commercial level, Zhemgang have several farmers' group whereby consistency in group functioning remains always a problem. For this, a frequent need-based training on both the production technology and farmer's group management is an

initiative by the Dzongkhag Agriculture Sector to strengthen the existing farmer groups.

Dungbi vegetable group is one of the recent volunteer groups to venture into vegetable production. It was formed in July 2015 and consists of one male and five female members. The group at least for the startup season worked very consistently and has proved to be successful.

To create a platform for knowledge and experience sharing with other farmers, the Sector conducted a field day on 7 March 2016 to demonstrate and showcase the proper vegetable production technology, facilitate farmers' interaction and help improve the farmer's livelihood through

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Vegetable production picking up in Dungbi village



Group members with Chief Guest and Agriculture staff

vegetable production. Forty farmers including the Tingbi pam vegetable group attended the program.

The day was graced by DASHO DZONGDAG as Chief Guest who in his speech commended the initiative and hard work put up by farmers' group and agriculture field staff. He advised them to maintain the same spirit to improve their rural livelihood and national economy. He assured them to provide all the possible support for successful implementation of vegetable activities. As a token of appreciation, DASHO offered Trashikhadar to group members which will go a long way in encouraging and boosting domestic production for import substitution.

To further encourage the group, the Dzongkhag Education Officer agreed that school will buy their products at a modest rate as long as they maintain the supply consistency and diversified products. To boost the

domestic production, the Dzongkhag with support from the Horticulture Division provided basic inputs such as HDPE pipes, syntax, seeds and green house to the group for initial stage.

The field visit created a platform for farmers to interact and share their experiences and ideas. On the day, demonstration on nursery, field and water management through sprinkler method and weed management through mulching technology were shown to participants along with water melon production technology. Improved vegetable production technology on broccoli, cabbage and bulb onion were also shared helping participants to understand its various aspects. It is hoped that the knowledge and skills gained by farmers will be used and shared with other farmers around. The Dzongkhag Agriculture Officer stressed that the acquired knowledge

and skills needs to be used in making commercial production a success in the next season.

Following the field day, the Director General for Department of Agriculture met with group members and commended on their group activities.

Meanwhile in Zhemgang, the Dzongkhag Tshogdu has endorsed a resolution to have a kitchen garden in every household for which the Rural Livelihood Project and Dzongkhag supported seeds and other technical guidance. Zhemgang have varied agro-ecological zone with a huge potential to grow and produce vegetables year round.

We pay our humble tribute to you all and are always remembered by the fraternity of the Department of Forest and Park Services.



Executive Order

Submission of articles for *Sanam Drupdrey 2017*

Encouraged by the huge popularity of the annual Sanam Drupdrey (RNR-Magazine) which serves as a medium for the Ministry to share its motivating stories of success and innovation in the fields of agriculture, livestock and forestry, ICS will be publishing the 7th issue of Sanam Drupdrey in 2017. Sanam Drupdrey has a very extensive readership within and abroad. Although, we record many achievements in the Ministry, regrettably many are not highlighted in the Magazine.

Therefore, I urge all the Departments, Agencies, Research Centres, Divisions, Central Programs and Dzongkhag Offices to contribute mandatorily at least two articles for Sanam Drupdrey 2017.

Articles can include success stories, breakthrough, cultivation tips or any write up related to the RNR Sector. The deadline for article submission shall be 23 November 2016. Please note the following few points:

Report/article should not consist of more than three pages

Relevant picture should be sent separately in picture format (not in word) with a maximum resolution as possible.

Proper credit for writer/contributor with designation and office should be mentioned

Please mention subject as 'Sanam Drupdrey' while submitting your article to ics@moaf.gov.bt to avoid confusion.

For any query, please contact ICS at 323765/321142 (Extension 117).

Issued for necessary cooperation and strict compliance.

Minister
Ministry of Agriculture and Forests

Executive Order

Paperless Office Operations

In line with the directives of the Royal Government of Bhutan towards going paperless operation in the government offices and as per the decision of the 76th RNR GNH Committee meeting held on 30th August, 2016 at MoAF Conference Hall, it is hereby notified that the following list of activities towards going paperless should be implemented with immediate effect.

List of Activities for paperless office operations;

- Print only one original copy (Print only one original copy of the finalized document to be filed in the master file and scanned copies to be circulated via email)
- Reuse what you can (Use paper that has printing on only one side in a designated draft copier or printer)
- Print on both sides of paper (Print documents on both sides of paper and set duplex printing as default)
- Install network printers (Discourage the use of individual printers and setup network printers)
- Discourage the use of fax sending letters/documents (Scan letters/documents and send via emails)
- Google apps should be used as a tool for paperless operation. Departments/ Agencies requiring additional google apps account should get in touch with ICS.
- Any requirement for refresher course on google apps should submit their requirement to ICS.

Although going paperless is a long-term goal, all Departments/ Agencies are directed to start implementing the above listed activities as a first step towards going paperless. This is circulated for your kind information and compliance.

Secretary
MoAF



Initial Poultry Farm At Metakha after eight years of evasion

Rinchen Khandu, LES-II, RNR-EC Metakha, Chukha Livestock Sector



Mr. Pema Wangchuk with the feeding work

Livestock farming in Bhutan are done with the motives to provide food, produce compost, as draught-power and a source of earning for livelihood. Amongst all, Poultry farming is one of the important livestock farming in Bhutan. Poultry Development Program was started in Bhutan in 1961 together with the launch of First Five-Year Plan. The main aim of the program was to improve nutrition of the rural population; alleviate poverty through increased egg and meat production. The program also aimed at completely replacing local chickens with the exotic breeds, which are comparatively more prolific (Courtesy: A review of poultry development in Bhutan, Nidup, K, Dorji, P. & Penjor; 2005). Poultry products specifically eggs, form an

imperative element of Bhutanese diet and of late it turned out to be a key source of income for some households. Currently Hyline red is a preferred layer-breed in Bhutan.

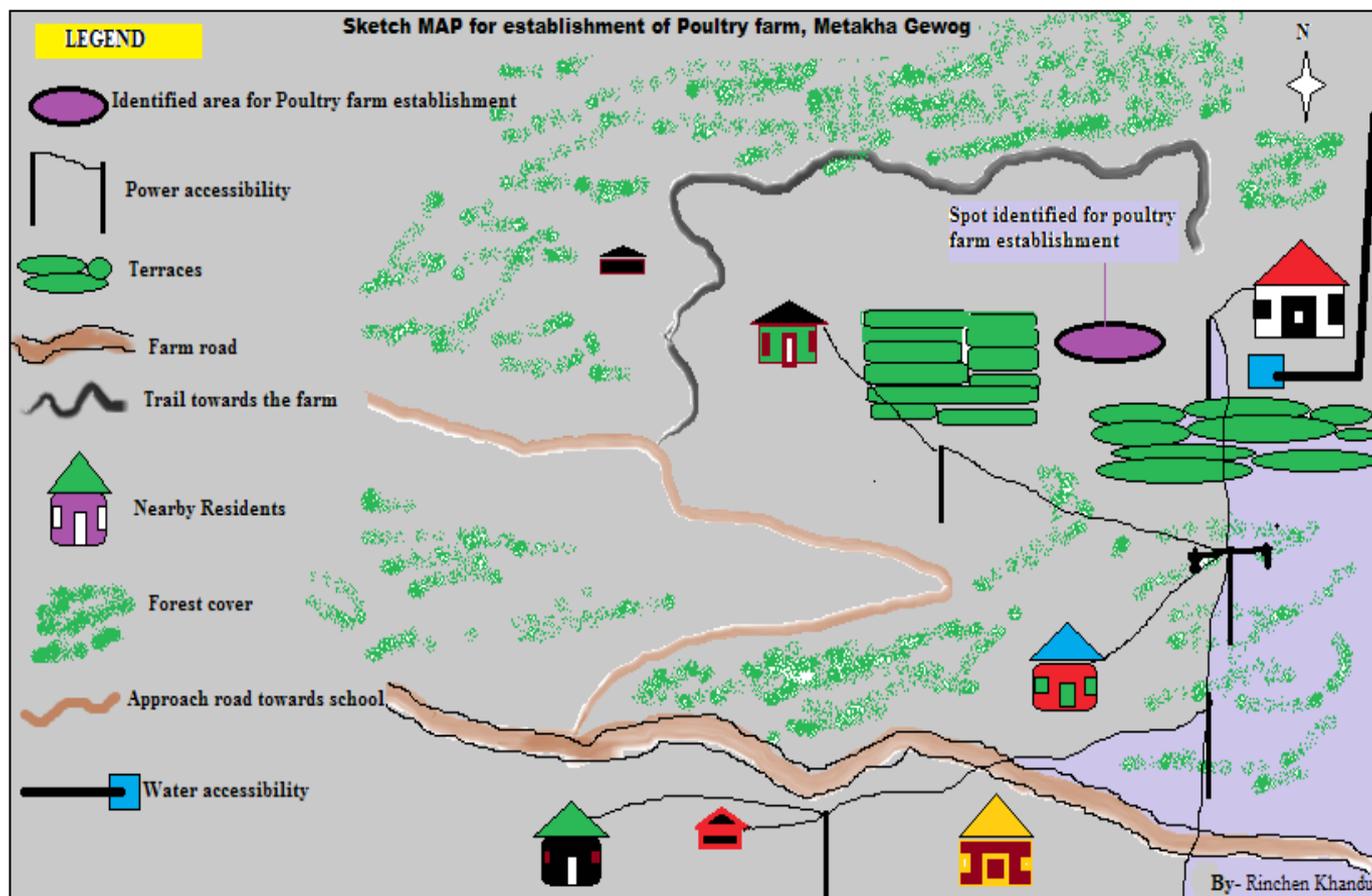
Metakha Gewog under Chukha district is considered as one of the remotest Gewogs. Owing to its remoteness and strong religious and social stigma, implementation of livestock development activities in this Gewog always remained a challenge for the Livestock sector. Poultry rearing with exotic layer breed in the community was once inspired by the former Moaf Minister Lyonpo Sangay Ngyedrup in the year 2007. Sadly after two years, the backyard exotic layer farming started to diminish due to lack of interest by the farmers and unavailability of compound feeds. This has created

the dependency of eggs from other Gewogs with exorbitant price. Such discontinuation of layer farming also affected the nutrition supply to the family.

Considering the minimal self sufficiency ratio (2.29 %) in the poultry section, and deriving the advantage of several school dropouts, awareness creation on the benefits of poultry farming was undertaken with the core aim to start on a backyard layer farm on trial basis in the community. After eight long years, on 1st of June 2016, a 100 birds' capacity layer farm has been successfully established in Metakha Gewog with the financial and technical support from the Dzongkhag Livestock sector. This initiative was taken mainly to produce eggs for local

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**General Sketch view of the initial poultry farm established at Metakha Gewog**

consumptions to supplement the diet of the local residents and to attain self-sufficiency of the eggs in the Gewog.

An interested Class X dropout, Mr. Pema Wangchuk of Gemba Village, came forward to take up poultry farming to produce and supply eggs to the localities. He received 20 numbers of CGI sheets and 9 bags of cement as a support of constructing poultry shed from Dzongkhag Livestock Sector through Interim Subsidy Package Scheme. All other expenses viz. local construction materials, labor charges, and pullets were borne by him.

In the years to come, the local residents of Metakha are expected to have adequate supply of eggs through this farm at an affordable price. However, poor road conditions for transportation of feeds and small rural population to buy eggs might become the hurdles to sustain his farm in longer run. Being the

maiden poultry farmer of the Gewog, consistent technical support from the Livestock Extension Centre will be required to hold his inspiration of poultry farms.

Given the history of the existence of poultry farming in Metakha, the

Sector is positive that the currently established farm would make fine contribution to rural household nutritional value. In addition, passion of farmers for rearing birds will serve as a new venture in such far-flung areas

**Simple shed put up for 100 layers**



Leisure

RNR (Diary)

Extension Manual 2017

ICS is in the process of compiling the information for the RNR Extension Manual 2017. Therefore, ICS would like to request all the departments/agencies to kindly furnish updates of technical and any other information pertaining to your respective offices by referring the Manual 2016.

Please send your changes for incorporation and comment/feedback, if any, latest by 31 October 2016 at ics@moaf.gov.bt.

For any enquiry, please contact Karma Tenzin, ICS at 323765/322855 during office hours.

-ICS

Agriculture Market Infrastructure Inventory 2016

In an effort to aid planners, implementers and other stakeholders on their path to better infrastructure planning, management and investments, this inventory is prepared by the Department of Agricultural Marketing & Co-operatives, in collaboration with the Dzongkhags and other agencies. The inventory provides information on existing numbers, location, utilization status and investments made.

Please visit www.moaf.gov.bt to download or view the inventory

Submit articles for
RNR-Newsletter, September 2016

to
tyangzom@moaf.gov.bt

OR

tandindorji@moaf.gov.bt

Sudoku Puzzle

Fill in the grid with digits in such a manner that every row, every column and every 3x3 box accommodates the digits 1-9, without repeating any.

Answer in the next issue

	8					9	7	
			3			1		
3		9		1		6	5	
				9		1		
	4	5	2			8		9
6					5		3	4
			4					
7								
	2	3			1			

Last week's solution

6	7	2	4	1	5	9	8	3
8	9	3	6	7	2	5	1	4
4	1	5	3	8	9	2	6	7
9	2	8	1	3	4	6	7	5
1	3	6	5	9	7	4	2	8
5	4	7	8	2	6	3	9	1
2	6	4	7	5	8	1	3	9
3	8	9	2	4	1	7	5	6
7	5	1	9	6	3	8	4	2

My experience: Practical differs from Classroom Learning

Yeshe Choden, Gelephu



Engaged in routine activities

At this competitive age, finding a job without a job experience is very hard for every graduate. I am one of them looking for job after completion of my CNR diploma on 2nd July 2016. We are 28 in numbers waiting for recruitment soon by the Royal Civil service Commission. In order to get adequate job experience, right after my Diploma, I approached to the National Piggery Research Centre Gelephu seeking opportunity to work as internship at Piggery farm. The NPiRC management was kind enough in allowing me to work in the farm for two months from 18th July to 18th September, 2016.

During the entire programme, I have gained many practical knowledge as I have been always engaged in daily farm activities and those activities involved like teeth clipping, iron injection, timely vaccination, piglet health care and other general health treatment of pigs. Now, I can also

handle the pig breeding/mating, swine nutrition, care of post natal till piglet weaning. On the disease prevention front, I learned routine vaccination, demangling, deworming & shed cleanliness play vital role in disease prevention in pig farms. I also got opportunity to visit few existing Contract Piglet Breeders at Sarpang Dzongkhag and acquired field experiences in extension as well.

Joining this programme was my greatest opportunity to grasp some knowledge from the most learned and experienced staffs out here. Working with pigs is not an easy task for me, yet I tried my best to complete all the given task provided the strong support given by the staffs of NPiRC. It was indeed a great experience and I would like to work in piggery farm even in my future careers.

SOP for dealing with Death of Foreign Nationals in Bhutan

2016

The Ministry of Home and Cultural Affairs is pleased to inform that the Standard Operating Procedure (SOP) for dealing with Death of Foreign Nationals in Bhutan, 2016 has been endorsed by the 108th Lhengye Zhungtshog held on 12th July 2016. The Cabinet has directed this Ministry to issue the SOP for implementation.

In the absence of a SOP, there were issues of coordination amongst the agencies while dealing with death of foreign nationals in the country. Therefore, this SOP is being adopted as an administrative coordination mechanism to define functions of all relevant agencies so as to streamline the process for dealing with death of foreign nationals.

In view of the above, the MoHCA would like to request all the concerned agencies to kindly follow the SOP while dealing with death of foreign nationals. In doing so, the concerned agencies are also requested to kindly sensitize relevant departments/branch offices/corporate/private sectors under your jurisdiction on the SOP. The SOP can be downloaded from the Ministry's website at www.mohca.gov.bt.



Himalayan black bear rescue

Kinley Tshering, Jigme Dorji National Park



On 25th September 2016, at 3:45 pm, I (Kinley Tshering) received a report of bear being trapped in the snare from Aum Chimi of Kagongmo village through Mr. Tshering (Beat incharge, Lower Khamey). The snare was set by her husband to trap wildboar who had frequently damaged their paddy field. The official from JDNP reached the trap location at 5:15 pm the same evening (25th Sept) and distantly saw the bear was trapped and we could hardly go near. So we decided to call the official from WCD and accordingly with immediate response, the rescue team lead by Dr. Kinzang reached at the spot on next day (26th Sept 2016). The actual rescue operation could

only begin after the quick lunch at 2.23 pm. Although they reached near the spot as early as 9:45am, due to road block above Taashithang (5 km towards the spot). The rescue started at 2.23 pm.

With all necessary rescue operation and measurements, the tranquilized bear was carried into a private bolero and trans-shifted to wildlife rescue van of WCD at the road block site. Then at around 4 pm the bear was safely released to the safe forest.

There were no major injuries other than minor injuries on mid section of the bear by trap due to its aggressive movement.

Location: Kabina, khamey geog, Gasa

Rescue team: Kinley Tshering (FR) (lead), Jigme (Sr. FR), Tshering Dorji (FR-I), Tshering (Sr. fr), Karma Jangchuk (Fr), Dr. Kinzang (vet), Tsencho Tshering, 2 foresters

Name of the village: Kagongmo

Equipment used for trapping: high tension cable (torjan)

Name of trap setter : Chimi

Altitude: 1881masl

Details of bear

Height---177cm

Hind leg length – 95cm

Fore leg length-80cm

Weight – 75 kg

Mid section dia- 96cm

Hind paw-16/10

Fore boy- 13/12

Female

Aprox age: 6years

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