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Presentation Topics INTRODUCTION

Mountain Climate Change

GREEN JOBS AND GREEN ECONOMY- Opportunities, Challenges.

GREEN JOBS in Tourism Industry of Nepal

National Strategic Green Job Creation Plan

Conclusions

Introduction

Nepal – mountainous country – affected by global climate change

Climate change: glacier retreat, GLOF, climbing trees in high mountains (Water Wars) – Nepal : Water Tower of Asia

Forest : once "green forest, Nepal's pride", still community forest – successful

Energy: Average 11 hours power down everyday -43000MW tap out - Demand avg. 1300 MW

Tourism : Govt. of Nepal's economic backbone, carbon footprint, CSR (new emerging issues), low carbon economy

How Green Job can Play a vitally in these conditions?

Mountain Climate change

- Melting glacier, GLOFs number
- Climbing Trees in Nepalese mountains
- -Delayed monsoon
- -Temperature rising

- -Water wars —local /national /International level
- -Need to find ways Green Job by Low carbon economy?.

Energy

- **Hydropower** (Potential limited)- 42000 MW- Demand increasing (Huge scale Low land flood disaster, loss of Asian Monsoon like Africa)
- Nuclear Power (NP, power unlimited)- geologically weak & young mountain, radiation hazard chances in disaster,
- **Solar & Wind farm** (Need in huge numbers, potential study) (Renewable Energy sources POTENTIAL in Nepal)

(study around Nepal for farming needed?)

-Green Job by Farming Energy can be localised well in Nepal.

World still needs **NP**, so does Nepal in near future.

WHICH ONE SHOULD GREEN JOB CHOOSE IN NEPAL?



Green Job: Installation problems – Proper Training, Education

Forest (Carbon Trade)

- -Deforestation > Afforestation needed (Demand and Supply)
- Green Job & Decent: Govt. staff foresters, education on (poverty # decent work)
- Carbon Credit: Nepal -potential for carbon trade (CT)
- -Community Forest: FUG- direct financial benefit through CT, then it booms very high than now.
- Nepal Govt. policy need some changes Exert pressure Int'l body REDD for CT on available Current)

Bioenergy: Biogas- Rural technology

- -Installed over 225,356 biogas plants, in Nepal (BY Dec. 2010)
- -Reached all 75 districts of Nepal.
- -Carbon: annual 405,00 m tons CO2 equiv. reduction of GHG
- -Pollution : reduction of Indoor air pollution
- -93 to 98% of constructed plants are in operation
- -63 to 69 % toilets are connected with biogas plants
- -74 to 89 % of bio-slurry is utilized as an organic compost fertilizer
- -around 86 Private Biogas Companies –strengthened and Qualified or being qualified.
- -16 Biogas appliances manufacturing workshops are developed
- -Gender: Workload reduction of women/girls by about 3 hours/day
- -Employment: 14000

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ECO (TOURISM) FOR GREEN JOB

Global effort- Low carbon economy.

- -Tourism unit in every district of Nepal.

 Village Tourism -> Eco-tourism Perspective
- Local village sustainability economic
- -Green Job opportunity Hotel industry, Trekking, Aviation industry,

GREEN INITIATIVES:

- INDIVIDUAL -ORGANIZATIONAL BASED APPROACH

TOURISM ACCOMPANIED BY FOREST CONSERVATION

GHOREPANI - TOURIST CENTERS IN THE ANNAPURNA CONSERVATION AREA

- -COMPARATIVELY DENSE FOREST CONSERVED.
- -FULFILLING OF WOOD FUEL REQUIREMENTS
- -THE VILLAGERS' ACTIVE PARTICIPATION IN FOREST MANAGEMENT +ANNAPURNA CONSERVATION AREA PROJECT (ACAP).
- GREEN JOB MODALITY ON (ECO) TOURISM (?)

OBSERVATIONS

- Individual initiatives
 - oTiger Mountain Lodge-Trekking Business
 - Practices environmentally responsible, sustainable conservation tourism.
 - Each room -solar powered reading lamps, ceiling fans, bathrooms. Lodge's solar PV plant is the largest in Nepal
 - -Employs local staff (40 years)
 - Organizes /supports a range of community programs, education, rural health, family planning and other activities to enhance rural community livelihoods and sustainability.
 - Recognized internationally as a leader in anti-poaching, wildlife crime and conservation activities.

OBSERVATIONS

- Individual initiatives
- Social Tours- -Trekking Business- Responsible initiatives (CSR)
 - -improving the energy usage situation, employee development, waste management
 Office Paper max. Re-use
 Re-cycle
- working with national and international partners in broadening the knowledge and practices in this field,

- Participation in Social initiatives like the Bagmati River Festival in Nepal (River Clean up).
- Developing a customized internal auditing system of Responsible practices.

- Future Plan
- 1. Carbon offsetting
- 2. Alternative energy use & winter heating (winter)
- Encounter Nepal Trekking business- Social work
- 5% of profit to education, children scholarship.

OBSERVATIONS

- Individual initiatives
- Aviation- Industries- & CSR Charities
 Buddha Air funded the seed money to start Smallh
 - -Buddha Air funded the seed money to start Smallholder Agribusiness
- Our employee pay scale is at par and in fact higher than that of most other corporate houses, government agencies.
- Yeti Airlines- special discounts to disabled people (50%), Senior Citizens (25%), children, leprosy.
- Green Far west project ktm <->.dhangadi flight contributing Rs. 20 /- for one way ticket.

Travel & Tours

- Employment : Gender
 -Females should be encouraged.
- 45% office training
- 60% Staff insurance
- 85% no environmental training
- 96% -unaware of Green Job/ Green Economy
- o waste mgmt: 80% plastic bins; 20 % paper bin
- Energy mgmt: > 90% no solar/wind; >90 % have fossilfueled electric generators; 60 % computer log off/sleep mode use.
- Carbon Offsetting: Afforestation 75% tree plantation
- Climate change: 25 %; Wildlife 17%
- CSR Development : 55%

Porters-

- Backbone in tourism- Still in coming years.
- Porters' death, amputation, in high mountain-highly disregarded
- o Porters' needs some attention.
- Int'l Tourism entrepreneurs -> Nepal TE, -> safety
- Govt. Nepal -> Extra attention
- PCB (Porters' Clothing Bank) -KEEP PCB 2009-present.

- Green Job for Porters?
- Capacity building capacity –ELC, First Aid Training, PCB (Porters' Clothing Bank)

CHALLENGES & Opportunities of GREEN JOBS in Tourism Industry of Nepal: Carbon foot print

Focus on Internal Operations

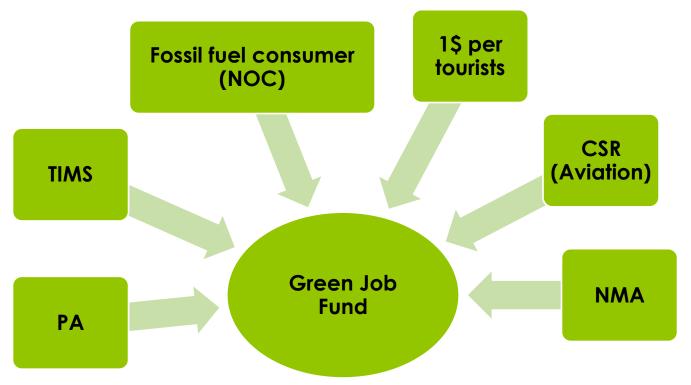
Bring
Consumers
into
Equation

GREEN JOB CHALLENGE Reduce Footprint at home

Link to corporate Goals

Green Job Employment Generation

National strategic Green Job Opportunities



- Fund Partnership (Subsidy) -local bodies to implement (Annapurna tea houses)- Equitable n people inclusion preserving environment
- Sagarmatha NP, Langtang NP- buffer zone community groups

GOING GREEN

Huge potential in forest carbon credits (low carbon economy)

Awareness at Individual level started

Imagine Sustainable Development without Green Job (?)











High potential for Solar and Wind farming Green Job choice? National Green Job strategic Approach

Conclusion & Recommendation

- Nepal Huge potential and necessity of Green Job to avert Climate change
- Encourage on Green technology, Green Job, Green Economy and Decent Job
- Work at the Grass-root level (equitable benefit)
- More research on various tiers.
- Energy, green job creation, biogas, tourism.
- Climate change: Improve carbon credits & management.
- National Strategic Action Plan on Green Job Creation.

THANK YOU, all.

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