


Examine whether a ban on timber harvesting is working in Sundarban: A Way Forward

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Background


- Bangladesh has one of the lowest forest covers in the world with about 11% (2011), reduced from 15.6% in 1973.
- In 2011-12, the contribution of forest sector in the GDP was 1.66% (MoF, BER, 2014)
- Forest land under the control of the Forest Department, is governed according to the Forest Act of 1927,
- The Government's Forest Department manages 1.6 million hectares of the forest land. However, another 20% - that is approximately 2.5 million hectares - is recorded as 'other wooded land' or 'other land with trees'.
- At present, the mangrove forests in Bangladesh represent more than 50% of the total forest land in the country.
- Assuming an average of depletion rate of 1% per year indicates the quantity of wood in mangroves from Sundarban and coastal divisions would stand at 10.71 million cubic meter that may be available from government forests in 2020.



Background

In effect, the belt of mangroves is capable of absorbing 30–40 per cent of the total force of a tsunami- or cyclone-generated shock wave before it reaches the inhabited area behind it.

Forest types	Legal status	Location (Districts)	Area (000' hactres)
Mangrove Forest (Sundarbans Reserved Forest)	Reserved Forest	South-west districts (Khulna, Satkhira, Bagerhat and Patuakhali)	610
Coastal Plantations (Artificial Mangrove Forest)	Mostly Reserved Forest, more recent plantations yet to be declared	South central and south-east districts (Noakhlai, Laxmipur, Feni, Bhola, Lakshmpipur, Patuakhali,	200



Literature Review

- RPP produced by the UN-REDD Bangladesh (see Table 8) “both natural and planted mangroves are deforested due to encroachment for agriculture, shrimp cultivation and salt production. Particularly deforestation in the natural Mangrove forests are driven by illegal logging abetted by corruption
- However, the key actors that are responsible for illegal logging of Goran trees and specific mechanisms or incentives that influence illegal logging were not specified under that study. This proposed study would try to capture both issues
- TIB diagnostic study on the Forest department (2008) identified that the FD is responsible for managing and protecting the natural forest. However, the administrative weakness and loopholes of the FD, i.e., lack of efficiency, lack of budgetary and logistic support, and rampant corruption have been identified as the major causes of deforestation.
- However, this above study couldn't capture the drivers/gaps that lie with the policy and practices that are ultimately creating space for illegal logging of Goran as well as Sundari trees.

Objectives of the study:


- Estimate the overall volume of timber consumption including illegal logging and assess the distribution of benefits among actors
- Assess the effectiveness of the efforts to tackle the problem response by governments to protect illegal logging
- Assess the level of illegal logging and identify the drivers (policy, process and practices) those are influencing for illegal timber logging

Methods of the study


Conceptual framework of illegal logging

- “In producing countries, illegal logging results in lost tax revenue and less development of the economic sectors related to the logging industry” (Asner et al. 2009).
- Illegal logging is also linked to poverty, since in some countries there is little development of legal industries to provide jobs and income (Alemagi and Kozak 2010), and very little of the income from illegal logging stays at the local level (Felbab-Brown 2011)

Economics of ban of timber logging

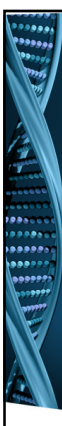


Empirical supports and data collections




Objective 1: Estimate the overall volume of timber consumption including illegal logging and assess the distribution of benefits among actors:

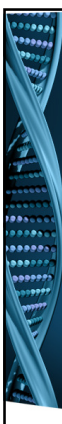
- Estimate the overall volume of hardwood extraction by modeling the demand for timber of Goran and Sundari by households supplied by the Sundarban.
- A survey of randomly selected 500 HH would be carried out to estimate the demand for above mentioned timbers per household, combined with informed assumptions of the effects of wealth and location on demand
- Identification of timber markets supplied by the Sundarban was based on estimates of the timber transport distances we will collect from interviews.




Objective 1: Part two - To understand the timber commodity chain



- To understand the timber commodity chain, we needed information about the typical what, how, where, who and why questions: what is the production process, which species are targeted and what volumes are extracted, where does extraction occur, who is involved in the various stages of the value chain from extraction to consumption, how are benefits distributed, why does illegal extraction persist, etc.
- To analyze timber value chain and benefits distribution relevant primary actors like are pit sawyers, carriers, timber dealers, officers (village, police, forest), saw millers, carpenters, and finally furniture consumers may be involved and payments as well as bribes and margins of middlemen for each cubic feet to carriers, pitsawyers, and loading will be identified.
- For this local level investigative journalists who have proven track record on reporting on illegal timber logging would be appointed.




Objective 2: Assess the effectiveness of the efforts to tackle the problem or response by governments to protect illegal logging and also assess the level of illegal logging and



- Assess the effectiveness of the efforts to tackle the problem or response by governments to protect illegal logging a number of suitable indicators are to be developed and these are derived from an examination of the national policy and legal framework and its implementation; analysis of enforcement and forest revenue data; wood-balance analyses (to estimate illegal harvest volumes)
- A survey of experts and reviews of domestic media coverage would be reviewed. By drawing on a variety of data sources, this approach provides the most rigorous means of assessing illicit practices
- Following the lead of Saunders (2014), we look to focus on a set of standardized indicators allow a comparative evaluation to be undertaken.

Objective 3: Identify the drivers (policy, process and practices) those are influencing for illegal timber logging from Sundarban

- To gather information on the factors those are influencing for illegal timber logging several face-to-face interviews with a range of staff of FD, traders, saw-millers, retailers, auditors and representatives of certification schemes would be conducted
- Following consultation with key informants illegal loggers to be identified and they would be interviewed using a semi-structured questionnaire
- In order to obtain further insight into socio-political dynamics and other factors that might influence illegal logging, informal interviews will be undertaken with local FD field staff members and politically influential persons who have substantial influence on neighboring forests and local communities.



Thanks for kind attention

