

National Centre for Cold-chain Development

Committee on Supply Chain and Logistics

North Eastern States Visit Tour Record

Connectivity and Post Harvest Marketing

29-October to 2 December 2012



Cold Supply Chain & Agri-Marketing

Background

The Committee on Supply Chain & Logistics (CSCL), constituted under the National Cold-chain Development Centre (NCCD), undertook a study tour of Assam & Arunachal as part of developing understanding of concerns in the North Eastern States. There existed minimal information on agriculture based supply chain concerns in this region. The tour was undertaken and lead by CSCL committee member Shri Ramesh Kumar, between 29th October and 2nd December, the onset of winters 2012.

The committee supported in preliminary preparations and in facilitation of this tour.

The Objectives of the visit was as following:

- To have a firsthand feel of the various development works in north eastern region.
- To review existing infrastructure with respect to Agricultural produce in the region.
- To assess factors inhibiting efficient commerce and competitiveness of local agrimarketing supply chains.
- To interact with local farmers and aggregators to assess future possibilities.

During this visit, Shri Ramesh Kumar visited only 2 states due to time and logistics constraint.

The support from State level officers and local farmers in the region was imperative for successful execution of the tour and they are appreciated for their dedication and cooperation.

The encouragement and guidance from Director NCCD Shri Shailendra Kumar, Asst Director NCCD Shri S. K. Kaul and Chief Advisor NCCD Shri Pawanexh Kohli made this tour possible.

During this 35 day visit, Mr. Ramesh Kumar met more than 150 growers of orange, pineapple, apple, kiwi, litchi, passion fruit, black pepper, turmeric, ginger, large cardamom, cinnamon, etc. He also interacted with several District Horticulture Officers and Horticulture Development Officers, Horticultural Field Assistants and Grafters working for respective state governments. Site visits to 5 available Cold Storages in Assam, were also undertaken.

This Record of this visit consists of:

- Executive Summary & Evaluation
- Key Observations and Key Take Aways
- Compilation of Suggestions from the field.
- List of People Met
- Record of Interactions
- Audio Archive
- Tour Report-Images & Commentary



Executive Summary

The interactions held indicate a demand for improved connectivity to buying markets. Direct links with end retailers or wholesalers is missing.

- 1. The region has various ongoing development activity linked to source agriculture.
- 2. While some cold storage infrastructure exists, locally sourced commerce is missing.
- 3. Further development focus preferably be in developing a market for agri-produce offtake with primary strategic directions:
 - a. Packhouses and collection centres linked to market based cold storages are required. Bringing external markets within reach by improving connectivity; to link existing infrastructure to markets through reefer trucking or air shipments for selected items.
 - b. Locally placed processing units which perforce source local agri-produce. Food processing plants seem preferable choice, focused on product type from the region.
- 4. Infrastructure & industry presence exists though minimal. Focus on skill development; for cold chain operations and modern financial transactions are required. Entrepeunership and employment opportunity exists.

Evaluation

- 1. Farm gate production levels are at positive high. Farmers are aggressive in approach and willing in mindset. Only inhibited due to lack of market reach or due to a limited presence of organised buying base.
- 2. Factors inhibiting faster growth in agri-commerce,
 - a. Limited market access to the farmer base, entirely reliant on small aggregation.
 - b. Buying centres are selective and not building evacuation modes across grades.
 - c. No external intervention for fast track dispatch and transport to nearby consumption centres.
- 3. There has been little local collaborative initiative focused on creating a supply line to external markets. Focus has been on infrastructure development only.
- 4. Pilot Projects to commence supply chains from farm to markets are recommended.

Key Observations

• Fruit growers demand; help us 'sell more' instead of telling us 'grow more'.

Area expansion programme is underway throughout northeast. Due to lack of marketing expertise and business making capability, growers are unable to push their produce out of their farmgates. District Horticultre Offices, peopled by experts who advise on best production practices and not a single word on how to market.

• Superabundance of fruits, but lack of road connectivity is the hindrance.

Year after year, more orchards reach 'fruiting' season thus adding to the previous year's output invariably. Secondly, the existing orchards rarely drop volumes. In toto, there is superabundance – or uncontrollable glut. Farmers crib that excess production does not result in higher returns because buyers citing transport bottleneck in Arunachal, 'blackmail' growers into accepting very low prices. Distress sale? Yes.



• No dedicated horti-produce marketing set up at state level. Still in infancy stage.

Both in Assam and Arunachal, there is no separate Marketing Board to promote marketing of horti-produce. However, both states boast of Agri Marketing Board. In Arunachal, there is a greater realistion that Horti Marketing Board is need of the hour. Such a body is contemplated and rules & regulations are in place. But it is yet to be 'peopled'.

• NHM-funded high value flower projects abandoned/converted into vegetable polyhouses due to farmer-owners' inability to market on his own.

National Horticuture Mission (NHM) has funded a few floriculture projects with an emphasis on roses in Rupa, falling under Bomdila jurisdiction. These projects were started with an outside-exporter/buyer of these flowers under an MoU for a specific period. Once that MoU expired, the buyer-seller arrangement elapsed leaving the grower (seller) in a lurch. Lack of his marketing capability and the absence of any local market, compelled them either to abandon high value rose in polyhouse projects or convert them into vegetable patches.

• APEDA & NERAMAC are not active, though physically present.

Growers complain that neither of these government bodies contributed anything to help them market their horti-produce. Yes, both these bodies set up pavilions whenever there is an exhibition or workshop, but otherwise no active farmgate level interaction. Neramac is believed to be short of funding and hence low staff strength across the region.

• Little interaction with Shillong-based North Eastern Council especially for Arunachal.

North East Council was set up to facilitate states in the region to gain expertise and assistance in all areas. Arunachal officials's experience tells a different tale. It is alleged that NEC interaction is negligible or even non-existent.

• National Horticultural Board-Guwahati regional office is more of administrative arm instead of being a marketing-facilitator.

NHB-Guwahati managed by a Regional Director admits that he has been turned into performing 'clerical and administrative' task. He is left with little time to promote horticulture in the region. Limited staff strength is also cited as reason for non-action. But he does attend meetings when held in Guwahati and put up stalls at Exhibitions wherever and whenever. No regular interaction/inspection of cold storages etc funded by NHB over years.

• Assam is a millstone round Arunachal's neck – infrastructure-wise.

Strange but true. To move from one point to another point within Arunachal, one cannot reach directly. One has to exit Arunachal, travel a certain distance and re-enter Arunachal. For instance, Itanagar to Bomdila or Tezu to Roing etc. are prime examples. With regard to evacuation of horti-produce (from Tezu/Wakro/Roing to Guwahati/Karimganj/Tezpur/ Tinsukia), the challenges on Assam roads from RTO, Traffic Police and the mushrooming extortionists are too many to enumerate. All these have a cost element to it thus pushing up the landing cost and hence compelling buyers to demand that sellers bear these exorbitant costs. No wonder oranges sell at farmgates at



Rs.70 paise/fruit; pineapple @ Rs.5 at farmgate. It is estimated that per kilometer cost of horti-produce movement from Arunachal is Rs.4.75/kg. Hortiproducers get no transport subsidy.

• Govt-owned food processing unit lying unused for years due to operational challenges.

A huge food processing facility was set up with a lot of fanfare in Nagmoi, Aalo, Arunachal more than a decade ago by state government's industrial development arm. Initially, growers agreed to sell at wholesale price. Subsequently began demanding market price, thus making it unviable for govt to run it. Though it was shut down, later private sector was brought in to revive. This also failed. Now this is lying idle in the midst of pineapple and orange belt.

• Basic market promotional steps such as collection centres, packing houses non-existent.

Growers have no post-harvest facilities today. Many kiwi growers keep their harvest in their homes spread on floor. No collection centres. Nor are any packing houses which possibly can help value add and sell it a better price than what they get now.

• Growing fruits is NOT the full time occupation. All engaged in executing government contracts for roads, culverts etc.

Not a single grower depends on horticulture as their mainstay. Why? Long gestation period and concern about managing family: son's education, daughter's wedding, emergency healthcare expenses etc. So, without exception, they are after some government contract or other and this lack of seriousness also shows in poor maintenance of orchards. Barring a few, most of them are just jungles.

• Lack of how to do business ability: rigid stance on product pricing and refusal to negotiate.

It is not that big businesses have not approached Arunachal growers of kiwi, orange etc. But Arunachalis inability to grasp finer aspects of business has led them down. For instance, Tata group signed a MoU with Ziro kiwi growers at Rs.70/kg for sizes ranging from 60-100 gm. After delivering the first 10 MT consignment, growers backed out because they told Tatas to take all sizes or nothing at all. Tatas walked out of the contract. And ... 600 quintals of kiwi was lying and rotting with no buyer in sight. Big Bazaar did approach Rupa for kiwi in 100 gm and above range. Growers said no due to worries as to what to do with rejected size. Ideally such rejects would have gone to processing units if only they existed.

• Assam cold storages are potato-centric and used as market-leveraging tool by traderowners.

Out of four cold storages, funded by NHM in Assam under Technology Mission, only one in Tinsukia provides a small chamber for apples, pears, etc from Kashmir and China. Otherwise, the huge capacity built is exclusively for potato. All these cold store owners are traders. They did try accommodating fresh vegetables but stopped because temperature control becomes a big issue and vegetables were spoilt resulting in business loss. Potato focus enables them to maintain one single temperature and longer shelf life.

• Arunachal's organic fruits (orange and pineapple) exported to the Gulf & Europe via Bangladesh under the label of "Produce of Bangladesh".



Representatives of Karimganj exporters to Bangladesh conduct business with Arunachal growers of kiwi, orange etc. Fruits are transported by road to Karimganj where it is sorted and graded and then pushed into Bangladesh via riverine route. Inside Bangladesh, these fruits are packaged as full size fruits or sliced or juiced for export to the Persian Gulf and Europe. Significantly, they are marked as 'Produce of Bangladesh', though it is an Indian product originally. One can buy these Bangladesh-made juice packs in Arunachal!

• Higher tariff/duty on Indian agri/hortiproduce at Indo-Bangladesh border vis-à-vis Bhutan/Nepal items.

There is a stiff Rs.31/kg duty tag on Indian oranges/kiwi at Indo-Bangladesh border. And Rs.19/kg on Indian ginger. But same produce from Bhutan and Nepal attract no such additional duty.

• State governments demand reunification of food processing arm with agriculture.

There is a disconnect by keeping horti/agri departments and food processing departments separate. Horticulture department wants food processing be clubbed with it for better understanding and better service to growers.

• Absence of Farmers Management Group/Cooperatives in Arunachal.

Unlike Assam, where the FMGs are popular – crop-wise, district wise – Arunachalis yet to group themselves to derive benefits of collectivization in terms of knowledge sharing and better business negotiation with potential buyers. Some have come up, but still in infancy.

• Large Cardamom drying process by Spice Board route more advantageous to growers than Arunachal government funded process.

Large Cardamom growers have a choice now: to go for Spice Board approved, but marginally expensive dryer and get higher price realization because these final produce does not smell 'smoked out' and don't turn into black. On the other hand, Horticulture Department provided dryer smells and turns cardamom into black. This is because, the fire and smoke physically touches green large cardamoms whereas the Spice Board dryer controls fire and smoke and permits only the heat to reach green large cardamoms. Need for a design rectification.

Key Take Aways

- **Engage** with Bangladesh on indiscriminate tariff on Indian horti-produce since Bangladesh and India are SAARC members.
- **Engage** Inland Water Authority of India to explore moving of Arunachal horti-produce via River Siang/Brahmaputra to Guwahati.
- **Revive/Explore** private sector engagement to help high value flower growers to market through fresh MoUs.
- Infuse dynamism in National Horticultural Board Guwahati by inducting marketing officers



- **Involve** Concor India to extend Horti Trains upto Tinsukia to help Arunachal fruit growers to reach out mainland India.
- **Setup** a Co-ordination Committee under NHM to monitor APEDA, NERAMAC, NHB-Guwahati and NEC.
- **Speed up** setting up of Collection Centres in Arunachal (a low cost option) for evacuation of horti-produce to Guwahati (nearest big market) and to mainland India.
- **Roll out** a hassle-free horti-truck movement with special identifiable permits from Arunachal to Assam (Guwahati or Karimganj) for domestic or export markets.
- **Educate** growers on the importance of basic farmgate/packing house best practices: cleaning, grading, packing through the state horticulture marketing board.
- Slash down gestation period of kiwi/orange/apple/pears/walnut (6-10 years) to 2-3 years through Agri Research Institutes to help growers focus on horti production.
- **Introduce** transport subsidy for horti-produce growers to meet part of huge transportation cost due to lack of road connectivity.
- **Encourage** farmers cooperatives through propaganda and exposing them to live examples of such groups in Assam or elsewhere.
- **Quicker release** of funds under Prime Minister's Package for speedy implementation of Trans Arunachal Highway, linking of 17district headquarters.
- **Upgrade technology** of dryers for large cardamom to achieve better quality and high price realization for growers.
- Encourage cheaper farmgate collection centres instead of expensive cold storages.
- **Showcase** new gen progressive farmers to others within Arunachal on how these growers are making a Big Difference.
- **Spread** the Wakro circle practice of collective price fixation committee of horti-produce (growers, buyers, district horticulture office & deputy commissioner office) to the entire state of Arunachal.
- Seek & indulge new gen Arunachalis (wards of fruit growers), who have been educated in mainland India with management degrees, to help their parents focus on marketing on their own, despite state horti marketing board.
- **Fund and give directions** for opening up of industrial training institutes (ITIs) with more focus on value-added food processing practices for new job opportunities within the state.
- **Explore & encourage** airlifting of horti-produce from north-east to mainland India by encouraging Air India and private air carriers under the CSR route to begin with.



- **Create awareness** about Arunachal Kiwi the most organic variety in the world through a systematic publicity campaign through print, TV and web.
- **Open DIRECT channels** for horti-producers in north east to sell to the Indian Army/ Navy/Air Force instead of routing through contractors hired through Tenders. North east has a huge presence of army bases and a big buyer.

UPDATES:

• Met Mrs Jayashree Chatterjee, Vice Chairman, Inland Water Authority of India.



Compilation of Suggestions From the Field

The following Challenges and suggested Solutions were put up during interactions.

Challenges	Solutions	
 Connectivity Basic ingredient for marketing of horticulture products (orange, pineapple, pears, large cardamom, kiwi, ginger, turmeric etc) is road connectivity to the nearest wholesale market. Arunachal Pradesh DOES NOT have proper road connectivity. No two district hqs are linked directly. 	 LONG TERM/PERMANENT SOLUTION The Trans Arunachal Highway, currently underway, be ready in 5-6 years' time. MID TERM SOLUTION A) Use of Horti Train Currently Concor-managed Horti Train goes up Kolkota/Guwahati with Bhusaval-grown Bananas. This 42-rake train may go upto Dibrugarh/Tinsukia in Assam and 'evacuate' Arunachali horti produce into mainland. B) Use of Brahmaputra/Siang River The Brahmaputra/Siang River runs through Arunachal & Assam . Orange growing regions like Tezu, Wakro can push its produce on river to Dibrugarh/Johat/Tinsukia/Golaghat (all Assamese touchpoints where the river flows through for value-added processing industries can come up giving employment opportunities to Assamese. Brahmaputra Board set up to manage flood management/control can be roped in along with Inland Water Authroities of India. Desilting and dredging of Brahmaputra can achieve three objectives: primarily, reduce the water level and thereby reduce damage to land and property every year. Secondly, can turn Brahmaputra flooding. This can be brought down, if not eliminated totally. C) Use of Air Connectivity Dibrugarh has an airport for commercial purpose and all airlines touch down. Cargo can be airlifted to mainland. However the issue is that cargo rates (Rs.20/kg) seems to be on the higher side. May have to be subsidized judiciously so that air carriers get into this biz. 	
2. State Marketing Boards	Arunachal Pradesh has constituted a Horticultural Produce Marketing Board on paper – away from Agricultural Produce Marketing Board.	
	Need to be populated with right set of people with marketing expertise.	



Challenges	Solutions	
	Development officers should not be elevated/transferred to these positions because marketing needs a different mindset.	
	Currently Arunachal has 5 Horticulture Marketing Officers (none of them have any marketing experience) and farmers don't believe the HMOs have anything concrete to help them out.	
	As per state govt plan, each of the districts (17 in total) should have one HMO each a.s.a.p.	
3. Marketing Infrastructure	 a) Collection Centres at selected growing centres has to be expedited. Arunachal Pradesh government has received recommendations from District Horticultural Officers (DHOs) inputs on this already, but yet to act upon. b) Clamour of mini cold storage in each growing district is very much there. Their logic is to store and wait for 'right time to market their produce'. Need not be conceded. Farmers will consider this facility again as freebie and will not be ready to foot any rent for usage. As it is, most of farming happens on its own with very little effort on the part of growers: free land, free sapling, free fencing, zero-maintenance. c) Mobile vans be introduced for collection from farmgates for aggregation at collection centres. d) Usage of bins/crates be encouraged to get into some kind of good packaging practices. Now fruits are dumped in trucks and pushed out at farm gates. In transit loss is very much there. e) Basic value-added services (like segregation, packaging in small lots etc) may be taught at collection centres. f) Transport Subsidy be given to growers who directly push their produce to distant markets. Dispersal of Subsidy on Proof of Delivery with no loss of time. 	
4. Processing Units	The oldest Processing Unit at Nigmoi, Aalo should be revived with private sector participation. It should be made ready to handle Harvest season 2013.	
	New one coming up @ Pangin (State Industry minister's hometown and constituency) should be given all support to make it a successful model to emulate. The unit has captive orange orchard, but absolutely no marketing plan in place as of now.	
	One more processing is coming up at Rupa, Bomdila district with NGO (Inspire) assistance. Be ready by mid-2013. Marketing to be handled by NGO through buy back arrangement (Dabur is believed to have signed for tomato ketchup).	
5. Institutional Support	NERAMAC and APEDA have physical presence in Guwahati and state capitals. But very little farmer's connect.	
	Need for a coordinated approach to market Arunachal or regional	



Challenges	Solutions	
	produce as NERAMAC can take care of domestic (read mainland India) and APEDA, the huge export potential of 'organic ' fruits.	
	NHB-Guwahati should be energized to play a proactive role. Today, NHB-Guwahati functions like an administrative desk, not active enough on the marketing side.	
	Since both NERAMAC and APEDA have a wider international/national/regional perspective, they can do a better job than what they do now.	
	NHB-Guwahati should visit districts/state capitals more often for farmers connect.	
6. Business practices	Contracts are not getting consummated because lack of business mindset or awareness.	
	For instance, Tata's MoU with Ziro kiwi farmers fallen flat due to growers' refusal to sell only 60-100 gm kiwis after the first dispatch of 10 MT. Growers want Tatas to take all sizes or none at all. Tata walked out, leaving 700 quintals of kiwi lying at farmgates in Ziro.	
	Again, Big Bazaar's readiness to buy 100 gm and above met with resistance and BB walked out without transacting any business.	
	The so-called rejects could have been sent to food processing uni if such units were in place within state or outside provided the Marketing Board has carried out regular market intelligen exercise and know to whom these 'rejects' can be marketed.	
	That is why, the Marketing Board be peopled with people with right skillset.	
	Most importantly, growers in Arunachal be exposed to normal business practices.	
	They need to understand that entire yield need not be bought by a single buyer and they should be ready to sell to multiple buyers of different needs.	
	Marketing Board's role is to educate growers on these crucial aspects as well, besides generating large scale buying interest from mainland India and abroad.	
7. Neighbourhood Issues	Arunachali produce cannot exit out of its boundaries into mainland or wherever without crossing Assam, its southern neigbour.	
	Frequent bandhs, extortion/RTO hassles make life difficult for Arunachali growers.	
	National Permit of trucks for a fee of Rs.15,000 per annum with promises a hassle free transport movement is just on paper. Not implemented. Arunachal/Assam is no exception. NPS is a big let down at the national level. Should be taken up.	



Challenges	Solutions	
	Both Assam and Arunachal govts should sit together and chalk out a solution for speedy and smooth passage of Arunachal products into mainland India etc.	
	NHB-Guwahati should be involved in this.	
8. Growers' Mindset	Arunachali farmers are the most pampered lot.	
	Free land, almost, allotted by state government.	
	Saplings free under Technology Mission or at rock bottom prices from govt nurseries.	
	Fencing again free or heavily subsidized.	
	Fertile land and needs little attention.	
	Everything happens on its happen.	
	So, growers have taken things lightly.	
	Whatever price offered by the buyers from Karimganj for export to the Gulf via Bangladesh is 'manna' for these growers.	
	Sale to these middle men in two ways: entire orchard at a lumpsum amount or per fruit basis. On an average the price is 60 -70 paise/fruit or Rs.one lakh around for entire orchard of vast size.	
	There are growers who get Rs.3 lakh for entire orchard also, but still feel shortcharged given the volume they offer to buyers.	
	There is NO change of ownership or business sense among growers. Since their investment in any orchard is almost negligible, they have taken it lightly.	
	Secondly, the gestation period of orange is 6-7 years before fruiting happens.	
	Waltnut – 10 years. Apple – 6 years approx.	
	So every single grower is not focused on horticulture. It is a SIDE BUSINESS. Their main source of income or attention is handling govt contracts for bridges, culverts, roads etc. More money and instant payment.	
	Orchards, therefore, are not maintained properly with deployment of helping hands. Many orchards look like jungle!	
	If well maintained, output may leapfrog and add to state GDP.	
9. Export opportunity	Small clutch of Karimganj buyers dominate the orange space in Arunachal. They buy at throwaway price at farmgates. Growers gladly sell to them for a variety of reasons:	



Challenges	Solutions	
	One, growers are paid advance payment even before the next season has commenced.	
	Karimganj buyers are like ATM. Growers need for money for family needs such as daughter's marriage, children's education in mainland or hospitalization is met instantly by Karimganj buyers.	
	Secondly, the buyers bring in their own labour for harvesting and arrange for their own transport for evacuation.	
	Growers just sit and relax and have to do nothing.	
	Easy money, easy life is growers' credo.	
	The lethargy is so rampant that no grower visits farmgates even when the harvest is on.	
	Growers just go by what the Karimganj boys 'tell' even when the deal is on per fruit basis. So much confidence or so much lethargy?	
	Growers say no government will be able to provide such instant gratifications and Karimganj boys fulfil that need smoothly and efficiently.	
	Karimganj boys ferry Arunachal oranges, pineapples into Bangaldesh where fruits are sorted/processed, packaged and exported to the Gulf with a tag "Made in Bangladesh'.	
	Indian produce sold under Bangladesh branding?	
	NERAMAC has a processing unit in Tripura and operating below par. Can't it be made use of with whatever little additional investment needed to spruce it up?	
10. Cooperative grouping	Unlike Assam where Farmers Mangement Group have sprung up district/village wise in large numbers, Arunachal is yet to see such groups. There are some: Ziro Kiwi Club, Rupa Farmers Club, etc.	
	Neighbouring growers don't exchange notes on their business.	
	This may change perhaps with the newly constituted Horti Marketing Board insisting on enrolling representatives form groups of growers in district/village/circle level marketing committees to be formed.	
11. Brand Promotion	Arunachal govt should go for a nation wide brand promotion of its kiwi – particularly. Even Assamese don't know much about kiwi.	
	Metros like Mumbai, Delhi, Bangalore import New Zealand kiwi and consume in large quantities.	
	Arunachal Tourism offices across metros can be used to promote Arunachal kiwi by creating a marketing desk in each office and	



Challenges	Solutions	
	putting sales/marketing personel.	
	Kiwi seems to have natural insulin and a good antidote for diabetics. India has the dubious distinction of world capital of diabetics. Why not get this diabetic curing property be medically examined and if proved to be right, then push it on a national scale by central govt (ministry of health)?	
	Hire an advg agency for this task.	
12. Progressive Farmers	Luckily, there is a band of 'progressive farmers' identified and nurtured by Arunachal govt.	
	These are bright spots which act and behave like businessmen anywhere else.	
	Good role models to emulate.	
	They need to be showcased and their experience be shared.	
13. Business prospects	Large cardamom growers are happy because they get Rs.300-700/kg	
	Spice Board and state Horti Department are encouraging them with dryers.	
	SB dryer is far superior.	
	Horti Dept dryer, designed by CSIR, Bhubaneswar, turns large cardamom into smoky and dark in colour. SB treated cardamom is far superior and fetches better pricing.	
	Need for fabrication modification of Horti Depart dryer.	

List Of People Met

List of people interacted with at farmgates and state government officials:

#	Location	Name	Status & contact details
1	Tezu, Arunachal	Safior Rahman	Horticulture Development Officer
			Safior.rahman@rediffmail.com
			Mobile: +9194024 74137
			+9192061 49647
2	Tezu, Arunachal	Bindeswari Singh	Horticulture Field Assistant
			Mobile: +9194022 43363
3	Tezu, Arunachal	Kul Kamal Pandey	Horticulture Field Assistant
			Mobile: +9198626 01492
4	Tezu, Arunachal	Harish Chandra Sahu	Horticulture Field Assistant
			Mobile: +9198629 46719
5	Tezu, Arunachal	Ms Jaumiyu Rime Tali	Horticulture Field Assistant
			Mobile: +9194024 76628
6	Tezu, Arunachal	Dileep Singh	Driver, HDO, Tezu
		(Born & brought up in	Mobile: +9198630 34348



#	Location	Name	Status & contact details
		Tezu. Lot of local insight)	
7	Tezu, Arunachal	Ramanand Sarma	LIC Agent & Farmers Connect
			Mobile: +9194360 49096
8	Tezu, Arunachal	Bacham So Tayang	Farmer, Orange, Black Pepper, Ginger,
		Tezogam Village	Passion Fruit
			Mobile: +91 98634 32002
<u>^</u>			+9194027 54235
9	Tezu, Arunachal	Suhm Tag	Farmer, Orange, Passion Fruit
10		Tezogam Village	
10	Tezu, Arunachal	Mrs. Mantulu Tayang	Farmer, Cardamom, Orange
		Tezogam Village	Mobile: +9198628 59472
11			+9194360 49118
11	Tezu, Arunachal	Sanu Rai	Nepali student studying in Delhi,
			resident of Tezu
12			Mobile: +9199546 07499
12	Tezu, Arunachal	Rajeev Roy	Owner, Sonali Stores, Tezu Bazaar
13		(ex-servicemen)	Mobile: +9194024 78201
13	Tezu, Arunachal	Johnum Manyu	Govt Contractor, Tezu
14		Danglad Village	Mobile: +9198628 59472
14	Tezu, Arunachal	Khujulum Tamai	Farmer, Pineapple, agar (medicinal
15	Tama Amuraalaal	Loiliang Village	plant), Black Pepper, Ginger
15	Tezu, Arunachal	Mrs. Difraling Tindia	Farmer, Pineapple, Ginger, Orange
16	Tama Amuraalaal	Upper Loliang Village	
10	Tezu, Arunachal	Soyulum Takliang	Farmer, Orange
17	Toru Arunashal	Hucheliang Village	Former Orenge
17	Tezu, Arunachal	Bijoy Takliang	Farmer, Orange
18	Toru Arunashal	Hucheliang Village	Балтан Оланда
10	Tezu, Arunachal	Chowjiang Takliang Hocheliang Village	Farmer, Orange Mobile: +9198638 74659
19	Tezu, Arunachal	Mrs. Gpinglu Takliang	Farmer, Orange
17	1 ezu, Al ullacitat	Hucheliang Village	raimer, orange
20	Tezu, Arunachal	Chowrimso Takliang	Farmer, Orange
	1 CZu, Al ullacitai	Hucheliang Village	r armer, orange
21	Tezu, Arunachal	Gopal Varma	Contract Farmer from UP- Vegetables
		oopur varma	15 years
22	Tezu, Arunachal	Vignesh Varma	Contract Farmer from UP – Vegetables
			35 years
23	Tezu, Arunachal	Taluk T Hai	Horticulture Development Officer,
			Hawai, Anjaan Dist
			Mobile: +9194362 58086
			talukhai@gmail.com
24	Chowkham, Arunachal	Kheram	Farmer, Litchi
25	Chowkham, Arunachal	Madam Hat Chaudhry	Horticulture Development Officer,
			Chowkham
			Mobile: +91073082 30677
26	Chowkham, Arunachal	Medo Kamlang	Farmer, Orange, Passion Fruit, Amla,
			Vegetable
27	Tissue, Arunachal	Chow Lot Namchoon	Farmer, arecanut, orange
28	Tissue, Arunachal	Chow Langka Empey	Farmer, Arecanut, Orange
29	Tissue, Arunachal	Chow Engnalit Manhout	Farmer, Arecanut, Orange
30	Tissue, Arunachal	Nang Kungnelit Manhout	Farmer, Arecanut, Orange
31	Tissue, Arunachal	Ongkut Mernglong	Farmer, Arecanut, Orange



#	Location	Name	Status & contact details
32	Tissue, Arunachal	Arjun Chaudhry	Cloth Merchant from Rajasthan (biz in
			Arunachal)
			Mobile: +91089748 85011
- 22			Mhchowdhury58@gmail.com
33	Wakro, Arunachal	Soto Thalai	Farmer, Orange
		Wakro	Mobile: +9194360 49200
			Mobile: +9187328 02870
34	Wakro, Arunachal	Solemso Ama	Farmer, Orange
		Wakro	Mobile: +9194026 76191
		BEST FARMER tag	
35	Wakro, Arunachal	Dinesh Kumar Singh	Buyer – Orange
		Representing Karimganj	Mobile: +9198625 28123
		exporter	
36	Wakro, Arunachal	Abdul Aziz	Buyer-Orange
		Representing Karimganj	Mobile: +9194362 56242
27		exporter	
37	Wakro, Arunachal	Faisal Islam	Buyer – Orange
		Representing Karimganj	
38	Wakro, Arunachal	exporter Ramashankar Singh	Horticulture Development Officer,
20	Waki 0, Al ullacital	Kalilasilalikai Siligli	Wakro
			Mobile: +9194362 20841
39	Roing, Arunachal	Rangmin Sora	Horticulture Development Officer,
	Ronig, manachar	Kanginin Sora	Roing
			Mobile: +91087310 93731
			+9194362 22429
40	Roing, Arunachal	Anil Sah	Grocery Shopkeeper @ Chapakhowa,
	_	On road conditions in	Assam
		Sadiya Dist	
41	Roing, Arunachal	Gebom Angu	District Horticulture Officer, Roing
			Mobile: +9194029 10192
			roinghortiofficer@gmail.com
42	Roing, Arunachal	Dhanpal Singh	Horticulture Field Assistant/Grafter
40			+9198629 42877
43	Roing, Arunachal	Raju Mitra	Editor, Roing Times
			+913803 223976
			roingtimes@gmail.com
44	Roing, Arunachal	Dature Miuli	Farmer – Orange, Rubber, pomgrenate,
			Enritium Resort owner!
			Resort owner! Mobile: +9194360 48180
			+91897947 62251
45	Roing, Arunachal	Umli Miuli	
		Daughter of Dature Miuli	
		PG from Amity, Bangalore	
46	Roing, Arunachal	Kachu Mele	Farmer, Orange, Pineapple, Medicinal
	- 0,		Plants
			Mobile: +9194360 48160
L			Mobile: +9189747 62251
47	Roing, Arunachal	Jommy Mele	Farmer, Orange, Pineapple
			Mobile: +9194024 76944
48	Roing, Arunachal	Rome Mele	Mobile: +98560 32125



#	Location	Name	Status & contact details
		Son of Jommy Mele MBA from Symbiosys, Pune Bosch cutting tool dealer in Itanagar	Romele26@gmail.com
49	Roing, Arunachal	Jowar Moyang	Farmer-Ginger, Vegetables
50	Roing, Arunachal	Yu Pertin	Farmer – Ginger, Vegetables
51	Roing, Arunachal	Baktom Borang	Farmer –Ginger, Vegetables Mobile: +919612421979
52	Roing, Arunachal	Anggong Pertin	Farmer – Ginger, Vegetables
53	Roing, Arunachal	Israel Perme	Farmer – Ginger Mobile: +9198628 56531
54	Roing, Arunachal	Ate Tapo Ajango Village	Farmer – Arecanut, Orange Mobile: +9194362 08278
55	Roing, Arunachal	Chiliko Meto Chairman, Zilla Parishad	Farmer – Orange, Rubber Mobile: +9194360 48530 <u>www.metochiliko.com</u> metodebang@ymail.com
56	Roing, Arunachal	Gowri Shankar Representing Karimganj exporter	Buyer – Orange, pineapple Mobiile: +9173080 03775
57	Roing, Arunachal	Sanwal Representing Karimganj exporter	Buyer – Orange, pineapple Mobile: +9197066 15987
58	Ziro, Arunachal	Tage Tabio	Owner, Food Processing Unit Mobile: +9194368 94368 +9196154 84861
59	Roing, Arunachal	Mohamed Eqlas Uddin Ahmed	Buyer – Orange, pineapple Mobile: +91
60	Roing, Arunachal	AK Mohamed Eqlas Uddin Ahmed's nephew Representing Karimganj exporter	Buyer – Orange, pineapple Mobile: +9194351 96864
61	Pasighat, Arunachal	Belom Apum	District Horticulture Officer Mobile: +9194360 43424 +9196125 78290 Belom 06@yahoo.com
62	Pasighat, Arunachal	Ms I Ering	Horticulture Development Officer Mobile: +9194360 53139
63	Pasighat, Arunachal	K Kumar	Sub Divisional Horti Devt Officer Mobile: +9194360 53585
64	Roing, Arunachal	Somu Linggi Worked with Nabard under Tribal Devt Fund	NGO & ex DC, Roing Mobile: +9198624 45244
65	Roing, Arunachal	Naktong Lego	President, Roing Horticulture Society Mobile: _9196121 05285
66	Roing, Arunachal	Paritosh Debnath Second gen shopkeeper in Roing Bazaar (born & brought up in Arunachal)	Owner, Kimi Stores Mobile: +9198628 52628
67	Roing, Arunachal	Tamiyo Tatak	Asst Sub Inspector, Roing



#	Location	Name	Status & contact details
			Mobile: +919862161964
68	Roing, Arunachal	Anil Dorji	Driver, Roing
		On road/barge conditions	
69	Roing, Arunachal	K Libang	Exe.Engineer, Pasighat
		(insight into Arunachali	Mobile: +9194024 11977
		mindset & poor infra)	
70	Pasighat, Arunachal	Oter Gao	Horticulture Development Officer
			Mobile: 9194360 43436
			otergao@yahoo.com
71	Pasighat, Arunachal	Ms. Omeng Ering	Horticulture Development Officer-MDC
72	Pasighat, Arunachal	Tajum Tasang	Farmer – Orange, Banana
		Boying Village	Mobile: +9196121 57743
73	Pasighat, Arunachal	Talem Tasung	Farmer – Orange, pineapple
	r abigilat, in anachai	Tajum's uncle & sells	Mobile: +9198631 48634
		through his produce	
		through nephew	
74	Pasighat, Arunachal	Oling Ering	Farmer – Orange etc.
	1 40-8-14 () 11 41-40-141	·····8···8	
75	Pasighat, Arunachal	Otik Tai	Farmer – Banana, Pineapple
76	Pasighat, Arunachal	Ms Omi Dai	Farmer – Anthuriam flowers
	r usigilut, ili ullutilul	Siang Women Coop	Mobile: +9194360 53020
		Society	Nobile: 19191300 33020
		15 members (floriculture)	
77	Pasighat, Arunachal	Ms Oti Sitang Eko	Farmer – Anthruiam flowers
	i asigilat, Ai unacitai	M3 OU Sitang LKO	Mobile: +9198621 29129
78	Pasighat, Arunachal	Zafar Exports	Mobile: +9199575 68802
10	i asigilat, Al ullacilai	(MoU route for 2 years	Mobile: +9199373 00002
		under NHM Technology	
		Mission)	
		Now MOU expired.	
79	Pasighat, Arunachal	Florence Flora	Mobile: +9199575 81003
	i asigilat, Ai unacitai	(MoU route for 2 years	Mobile: + 9199373 01003
		under NHM Technology	
		Mission)	
		Now MOU expired.	
80	Pasighat, Arunachal	AMPI	Mobile: 9194360 44262
00	i asigilat, Ai unacitat	Currently selling Pasighat	MODIIC: 7174300 44202
		flowers in Itanagar	
81	Pasighat, Arunachal	Nekot Dai	Farmer – Floriculture
	i asigilat, Ai unacitai	Nekot Dai	Mobile: +9194368 38392
82	Pasighat, Arunachal	Kenpu Tongu	Farmer – Floriculture
	i asigilat, Al ullacilai	Kenpu Tongu	Mobile: +_9194360 43061
83	Pasighat, Arunachal	Jokud Modi	Farmer – Orange, Balancia/Mosambi,
55	i asigiiat, Ai uildelidi	Napit Village	Ginger, Pineapple, Vegetables
		Napit Village	Mobile: +9198621 67834
84	Designat Arunashal	Tanya Jarang	
04	Pasighat, Arunachal	Tanyo Jerang	Farmer – Orange
85	Desighet Americal 1	Tekong Village	Mobile: +9198627 18167
00	Pasighat, Arunachal	Tolang Kemi	Farmer – Orange
07		Tekong Village	
86	Pasighat, Arunachal	Osi Taga	Horiticulture Field Assistant, Pasighat
87	Pasighat, Arunachal	Abu Tayang	Farmer - Orange
		Tekong Village	
		Tanyo Jerang's relative	



#	Location	Name	Status & contact details
		Ex-serviceman 1962	
88		China war	
00	Pangin, Arunachal	Taloka Darang	Farmer-Orange & Food Processing Unit Mobile: +9194362 50763
89	Pasighat, Arunachal	Dr Ajai K Pandey	Dean, College of Horticulture &
		, ,	Forestry, Pasighat
			Mobile: +9194360 53047
			Pandey.ajai1@gmail.com
90	Pasighat, Arunachal	Dr Suresh Tiwari	Asst Professor, CHF, Pasighat
			Mobile: +9194366 35558
0.1			sureshchf@gmail.com
91	Pasighat, Arunachal	Dr Sunil Kumar Singh	Floriculturist, CHF, Pasighat
			Mobile: +9194362 21758
02			Sunu159@yahoo.co.in
92	Pasighat, Arunachal	Dixu Tape	Driver, DHO-Pasighat
		(insight into HDO/HFA	
93	Pasighat, Arunachal	visits background) Obang Tamak	Farmer – Orange, large cardamom,
15	r asigliat, Al ullacitat	Rengingg Village	ginger, turmeric
		Kengingg vinage	Mobile: +9198625 81963
94	Pasighat, Arunachal	Badrul Haq	Buyer – Orange, pineapple etc
		Representing Karimganj	Mobile: +9194350 74934
		exporter	
95	Pasighat, Arunachal	Durga Paron	Buyer – Orange, pineapple, large
		Rengingg Village	cardamom
		Representing Siliguiri	Mobile: +9196121 65022
		buyers	
96	Pasighat, Arunachal	Krishna Ghosh	Buyer – Orange etc.
	i asignat, Ai unachai	Guwahati	Mobile: +9198642 47511
		Works through Durga	
		Paron (see above)	
97	Pasighat, Arunachal	Ator Komut	Farmer – Orange, pineapple
		Yagrung Village	
98	Sissen, Arunachal	Tajir Siram	Farmer – Orange, Balancia/mosambi,
		Sissen bastI	ginger, pineapple, jatropha, large
			cardamom etc.
00			Mobile: +9194360 91813
99	Sissen, Arunachal	Bami Koyu	Horticulture Development Officer-
			Pangin Mobile: +9194366 96536
			Bamikoyo2012@gmail.com
100	Sissen, Arunachal	Bakin Siram	Farmer- Orange etc.
	Sissen, ni unachai	Works with Tajir Siram	
		group	
101	Sissen, Arunachal	Talut Taki	Farmer – Orange etc.
	,	Works with Tajir Siram	
		group	
102	Sissen, Arunachla	Taget Siram	Farmer – Orange etc
	Pradesh	Works with Tajir Siram	
		group	
103	Sissen, Arunachal	Tajing Tamuk	Farmer – Orange etc.
		Works with Tajir Siram	



#	Location	Name	Status & contact details
10.4		group	
104	Sissen, Arunachal	Tamin Tamuk	Farmer – Orange
		Works with Tajir Siram	
105	Siggar Arunashal	group Towin Tolsi	Formore Orango
105	Sissen, Arunachal	Tayin Taki Warka with Tajin Siram	Farmer – Orange
		Works with Tajir Siram group	
106	Pangin, Arunachal	Takar Dupak	Farmer – Orange, Balancia, turmeric
	r angin, m anaenar		Mobile: +9194026 27642
107	Pangin, Arunachal	Tatar Darang	Farmer – Orange, pineapple, veg
		Anchal Sarati Member	Mobile: +9194022 50460
108	Pangin, Arunachal	Tagum Sitang	Farmer – Orange, large cardamom,
		Beneficiary of Drying	turmeric
		system from state horti	Mobile: +9194368 39039
		dept.	
109	Pangin, Arunachal	Mr Tapang Taloh	Met him twice over extended
		Minister for Industries &	discussion on food processing, power,
		Handloom	road scenario.
		Govt of Arunachal	Invited to his home for a reception & asked to give a talk to 20 farmer-
		MLA from Pangin	visitors at his residence.
110	Aalo, Arunachal	Tareng Taga	Farmer – orange, turmeric, ginger etc.
		Greengold Agro	Mobile: +9194364 15516
		Environmental Alliance	tarangtaga@gmail.com
		(NGO)	IMPRESSIVE FARMER
		Beneficiary of large	
		cardamom dryer (2 nos)	
		Chairman, 600 farmers	
111	Aalo, Arunachal	COOP.	Formon orango turmorio eta
111	Aalo, Al ullacitai	Tamu Jerang Secy- NGO, Greengold	Farmer – orange, turmeric etc. Mobile: +9194360 96879
112	Aalo, Arunachal	Deepak Agarwal	Transporter
		Transporter/	Mobile: +9194351 99697
		Works with Tarang Taga	
113	Aalo, Arunachal	Limar Bagra	Buyer – Orange etc.
		Representing Karimgang	_
		exporter	
114	Aalo, Arunachal	Tabong Talmut	Field Assistant at Tarang Taga farms
		Tatas hired him @	Mobile: 9194024 99889
		7,000/month for 3	
		months to collect farmers	
		data! But works for Tarang	
		Taga	
115	Aalo, Arunachal	Mrs. Dunyu Rte (Dirchi)	Horticulture Development Officer, Aalo
	,		Mobile: +9194366 38130
116	Aalo, Arunachal	Ram Singh	Sub Divsional Development Officer,
		_	Aalo
			Mobile: +9194360 58239
117	Aalo, Arunachal	Karyom Doji	District Horticulture Officer
			Mobile: +9194360 56076
110			karyomdoji@yahoo.com
118	Aalo, Arunachal	T Partin	Asst. Dir-Industry



#	Location	Name	Status & contact details
			Govt of Arunachal, Aalo
			Mobile: +9194366 30901
119	Aalo, Arunachal	T S C Singh	Office In Charge, Aalo
		(senior and good source of	Mobile: +9194362 12412
		info)	
120	Aalo, Arunachal	Henrik Basar	Horticulture Development Officer
			Mobile: +9194360 45768
			Henrikbasar@rediffmail.com
121	Aalo, Arunachal	Bomge Bagra	Farmer – Pineapple
		Bagra village	Mobile: +9194362 72519
122	Aalo, Arunachal	Jumdo Bagra	Farmer – Pineapple, orange
		Bagra village	Mobile: +9194024 69228
123	Aalo, Arunachal	Doi Ado	Farmer – Orange, large cardamom etc.
		Ex-Minister, Chairman of	
		Siang Farmers Club)	
		Beneficiary of dryer for	
		large cardamom	
124	Aalo, Arunachal	Dr Avir Bhaw, Delhi	Doi Ado's contact
		(facilitator of organic	Mobile: +9198734 98928
		certificate!)	avirbhaw@gmail.comcer
125	Itanagar, Arunachal	Mr Narang Tani	Dy Director – Marketing
			Horticulture Department
			Govt of Arunachal
			arunachalhorticulture@yahoo.in
			Mobile: +919436045034
126	Itanagar, Arunachal	Mr Hage Kojleen	Commissioner-Agri & Horticulture
			Govt of Arunachal
			Hage kojeen@rediffmail.com
			Mobile: +919436898989
127	Itanagar, Arunachal	Ronya Dego	Horticulture Marketing Officer
			Govt of Arunachal
			Mobile: +919436255885
			Degoronya01@gmail.com
128	Ziro, Arunachal	Bhumepoon	Driver-HDO/Ziro
		(insight into Ziro-Itanagar	Mobile: +9198565 51444
100		highway)	
129	Ziro, Arunachal	Ramana Mohanty	Highways Supervisor (SRK co)
			Mobile: +9187309 99936
100			+9194419 44435
130	Ziro, Arunachal	Shankar Borah	AMW Driver (SRK Co)
101			Mobile: +9173999 53236
131	Ziro, Arunachal	Bullo Tama	District Horticulture Officer
100			Mobile: +9194362 51930
132	Ziro, Arunachal	Hage Kago	District Informatics Officier
100			Mobile: +9194360 51867
133	Ziro, Arunachal	Kuru Ama	Horticulture Development Officer
10:			Mobile: +9194366 39713
134	Ziro, Arunachal	Kalung Bida	Farmer-Kiwi, Large cardamom47902
		Secy, Kiwi Growers Club,	Mobile: +9194360
		Lower Subasiri District	afs.ziro@gmail.com
135	Ziro, Arunachal	Lika Saya	Parliamentary Secy-Agri/Horti
		MLA	Govt of Arunachal
			Mobile: +9198101 17159



#	Location	Name	Status & contact details
136	Ziro, Arunachal	Gyati Ateo	Farmer-Kiwi
			Mobile: +9194360 47406
137	Ziro, Arunachal	Taku Chatung	Farmer-Kiwi
			Mobile: +9194362 27269
			tbchatung@yahoo.com
138	Ziro, Arunachal	Gyati Loder	Farmer – Kiwi
			Mobile: +919436897898
139	Itanagar, Arunachal	Lika Tamin	Buyer for local market
			Mobile: +9198628 88093
140	Itanagar, Arunachal	Jombo Ratan	Director-Horticulture
			Govt of Arunachal
			Mobile: +9194360 41740
			+9194360 44976
141	Guwahati, Assam	S Bhattacharji	Managing Director
		,	NERAMAC
			Mobile: +9197060 98131
			md.neramac@gmail.com
142	Bomdila, Arunachal	Kewalanand Tiwari	Horticulture Marketing Officer
	,		Mobile: +9194362 23503
143	Bomdila, Arunachal	Ngoichung Phoichulpa	District Horticulture Officer
	Domana, manaonar	ingerenang i nerenanpa	Mobile:
144	Bomdila, Arunachal	Bodumba Monpa	Farmer – Apple, Kiwi & nursery
	Domana, in anachar	bouumbu Honpu	Mobile: +9194362 25150
			+913780200204/5
145	Bomdila, Arunachal	B R Singh	Fieldman (HFA)
	Domana, manachar	DRShigh	Mobile: +9194362 54877
146	Bomdila, Arunachal	Dorji Leto	Govt Servant & Farmer-Kiwi, Apple
1.0	Domuna, Arunachar	Bodumba's son	Mobile: +9194366 35226
		IMPRESSIVE FARMER	letojantsenpa@yahoo.com
147	Dirang, Arunachal	Gompu Monpa	Farmer – Kiwi
1.17	Dirang, Arunachar	dompa Monpa	Mobile: +9194362 29729
148	Dirang, Arunachal	Dr D P Singh	Dy Dir & Horticulturist
110	Dirang, Arunachar	DI D F Shigh	Govt of Arunachal
			Mobile: +91
149	Rupa, Arunachal	Tsering Gyrme	Farmer & Chief Patron, Rupa Farmers
117	Rupa, Al ullacitat	Ex-Minister	Club
		Ex-Minister	Mobile: +9194362 58742
150	Rupa, Arunachal	Nmit Hongchi	President, Rupa Farmers Club
100	Rupa, Al ullacitat	Ninit Hongein	Farmers
151	Rupa, Arunachal	R N Musabi	Farmer & Rupa Farmers Club
1.71	Rupa, Ai ullacilai		Mobile: +9194364 07126
152	Rupa, Arunachal	Nangdi Karma Shertukpen	Farmer & Rupa Farmers Club
152	Rupa, Al ullacitat		Mobile: +9194020 43818
153	Duna Amunachal	C B Dubey	
155	Rupa, Arunachal	G P Dubey	District Horticulture Officer & Horticulturist
			Apple Research Station, Shergaon
			Mobile: +9194024 77646
154	Duna Ammaakal	Dinchin Derii	g.p.dubey11@gmail.com
1.54	Rupa, Arunachal	Rinchin Dorji Wangia villaga	Farmer-Roses
		Wangja village	Abandoned polyhouse, funded by NHM
155	Changan Amura - 11	Taoning Dhunnal-	due to lack of marketing on his own!!!!
100	Shergon, Arunachal	Tsering Dhunpok	Farmer – Kiwi



#	Location	Name	Status & contact details
		Apex bank	Mobile: +919436068269
156	Shergaon, Arunachal	Anup K Srivastava	Horticulture Field Assistant
		1	Mobile: +9194020 11300
157	Shergaon, Arunachal	J PRoy	Horticulture Field Assistant
		, ,	Mobile: +9194026 13591
158	Bomdila, Arunachal	Yeshi Tsering	Jt Dir-Horticulture (temperate zone)
	Domana, manachai	resin risering	Govt of Arunachal
			Mobile: +9194360 45042
159	Bomdila, Arunachal	Hibu Dante	Horticulture Development Officer
	Domana, manachai	Indu Dunte	Mobile: +919436048443
160	Guwahati, Assam	K C S Kurup	GM-Marketing
100	Guwallati, Assaili	K C 5 Kulup	Neramac
			kcskurup@gmail.com
			Mobile: +9197060 98141
161	Course hat Access	Timuti Dass Hanse	
101	Guwahati, Assam	Timuu Dass Hanse	Director-Horticulture
			Govt of Assam
162		C D C' l	Mobile: +919435508000
102	Guwahati, Assam	S P Singh	Secy, Motor Owners Assn, Tinsukia
162		0 10	Mobile: +9197062 57644
163	Guwahati, Assam	Sunil Sharma	Branch Manager
			Mercurio Pallia Logistics
1.64			Mobile: +9194355 52128
164	Guwahati, Assam	Pradip Das	Secy General
			Guwahati Transport Assn
			Mobile: +9198640 64385
165	Guwahati, Assam	Sanjay Jhanu	Branch Head, Gati Ltd
			Mobile: +9199571 98363
166	Guwahati, Assam	Bedabrata Bordoloi	Regional Manager
			Hyundai Motors
			Mobile: +9199541 50050
167	Guwahati, Assam	B R Baruah	GM-Fin & Accts
			Neramac
			Mobile: +9197060 98135
168	Guwahati, Assam	A B Angadi	Sr Marketing Manager
			Neramac
			Mobile: +9194355 49336
169	Guwahati, Assam	B J Brahma	Dy Dir- Regional Office
			Spice Board
			Mobile: +9194350 19767
170	Guwahati, Assam	D B Barman	Senior Field Officer
			Jorhat @ Agri University
			Mobile: +9194361 27279
171	Guwahati, Assam	M M Roy	Joint Dir – Horticulture
	-,		Govt of Assam
			Mobile: +9194351 21126
			dirhortiassam@gmail.com
172	Guwahati, Assam	N K Sharma	Dy Dir – Horticulture
			Govt of Assam
			Mobile: +9198540 94250
173	Guwahati, Assam	M D Bharali	Agriculture Development Officer
115	Guwanati, Assalli		Govt of Assam
	1		Moblie: +9194351 00265



#	Location	Name	Status & contact details
174	Guwahati, Assam	Dhiren Sharma	Dy CEO
			Assam State Agri Mkg Board
			Mobile: +9194353 01654
			dceoasmb@gmail.com
175	Guwahati, Assam	Bul Bul Hussein	Executive Engineer
	autranacij ribbani		Assam State Agri Mkg Board
			Mobile: +9435016456
176	Guwahati, Assam	Pintoo Malik	Machine Operator
	Guwanati, 1155ani		Singimary Cold Storage
177	Guwahati, Assam	Kamlesh Rana	Owner
1,,	Guwallati, Assaili	Kalliesh Kalla	Singimary Cold Storoage
			Mobile: +9198640 13800
178	Currebeti Assem	Capity Cailria	
170	Guwahati, Assam	Sanjiv Saikia	In Charge
			Reliable Cold Storage, Sangsari,
			Kamrup Rural
179	C al al Assault	D'stratts	Mobile: +9196788 00136
1/9	Guwahati, Assam	Bini Lohia	Managing Director
			Reliance Cold Stroage, Sangsari
			Kamrup Rural
100			Mobile: +9198540 41107
180	Guwahati, Assam	R K Behra	Dy GM-Nabard
			Mobile: 0361 2238007/8
101			Rk.behera@nabard.org
181	Guwahati, Assam	Dr Sarat Saikia	Chief Scientist
			Horticultural Research Society
			Assam Agri University, Kahihuchi
			Mobile: +9194352 24593
			Sarat hort@rediffmail.com
182	Guwahati, Assam	Manabjyoti Dass	SFAC Regional Centre
			Mobile: +9194351 00426
			Mjdas10@gmail.com
183	Guwahati, Assam	Vinod K Bist	Nabard
			Mobile: +9194350 09086
			<u>bistvk@yahoo.co.in</u>
184	Guwahati, Assam	Ms Nabneeta	Officer
			NHB Regional Office
			Mobile: +9198642 61389
185	Guwahati, Assam	Pradeep Bhuyan	Asst Mkg Officer
			Neramac
			Moble: +9197060 98142
			pradeepbhuyan@rediffmail.com
			neramac.zo.assam@gmail.com
186	Guwahati, Assam	Paul Muktieh	Chairman & MD
			North East Devt Financial Institution
			Mobile: +9198540 81203
			Bp.muktieh@nedfi.com
187	Guwahati, Assam	Sunsharma Hazarika	Logistics Head
			Hyundai Motors India Ltd
			Mobile: +91 98649 81483
			sunsharma@hmil.net
188	Guwahati, Assam	Bharat Yadav	Driver (Car carrier fm Guwahati-
20	Guwanau, Assain		Tinsukia)
			Mobile: +9198527 47121
	1		



#	Location	Name	Status & contact details
189	Nangaon, Assam	Abdul Jafar	Labour Contractor/Transport arranger
		Rangagora village	for local farmers to send fresh veg to
			big markets from Rangagora village
190	Nangaon, Assam	Pranab Chakroborty	Pharmacy owner & local farmer of
		Rangagora village	vegetables
			Mobile: +9190859 51088
191	Nangaon, Assam	Devendra Kumar Rai	NRL PumpIncharge
		Rangagora Village	Mobile: +9198541 57172
192	Nangaon, Assam	Monjyoti Sharma	ITI trained electrician & farmer
		Rangagora village	Mobile: +9197063 84753
193	Tinsukia, Assam	Rohini Gogoi	District Agriculture Officer
			distagritsk@gmail.com
			Mobile: +9194353 91155
194	Itanagar, Arunachal	Mardo Ninu	Department of Horticulture
	runugur, manaenar	Maruo Minu	Govt of Arunachal
			Mardo5454@gmail.com
			Mobile: +919436056182
195	Tinsukia, Assam	Hulas Chand Jain	Owner
175	T IIISUKIA, ASSAIII	Hulas Chanu Jahi	
			Mahabir Cold Storage Mobile: +9194350 35087
196	Coursele att Account	Chambres Chambres de Doutte	Mcspl45@yahoo.com
190	Guwahati, Assam	Shankar Chanda Dutta	Horti Department
			Govt of Assam
			Mobile: +9197070 22584
107			Sankarch.dutta@gmail.com
197	Guwahati, Assam	Shaahabuddin Ahmed	Engineer
			Assam State Agri Mkg Board
			Moblie: +9194350 87204
100			Shahbuddinahmed46@yahoo.in
198	Guwahati, Assam	Hemanta Kalita	Horti Department
			Govt of Assam
			Mobile: +9198540 51055
199	Tinsukia, Assam	Turakanta Hati Barooah	Farmer- vegetables
		Habedagaon	Moblie: +919613984338
200	Tinsukia, Assam	Prafulla Moran	Farmer – vegetables
201	Tinsukia, Assam	Jitu Moran	President
		Son of Prafulla (see above)	Lakshmi Farmers Mgt Group
			Mobile: +9199542 05402
202	Tinsukia, Assam	Bhobeswar Mech	Secy
			Lakshmi Farmers Mgt Group
			Mobile: +9196789 69864
203	Tinsukia, Assam	Sanjay Sah	Manager
			Greenfield Cold Storage
			Mobile: +9194357 45883
204	Tinsukia, Assam	Ram Niwas Agarwal	Owner
			Greenfield Cold Storage
			Mobile: +9194350 35639
205	Itanagar, Arunachal	A K Purkayastha	Director-Marketing
			Arunachal Agri Produce Mkg Bd
			Mobile: +9194360 43115
			+9196121 59494
206	Tinsukia, Assam	Nagendra Nath Neog	Farmer-orange & vegetables
200	ι πουκία, ποσαίτι	I magenura mauri meug	i ai mei-oi ange & vegetables



#	Location	Name	Status & contact details
		Tamuli bongaon village	Secy, Tamulibongaon FMG Mobile: +9196134 57914
207	Tinsukia, Assam	Robin Saikia Village Mukhya	Farmer – orange, passion fruit, vegetables, bamboo
208	Tinsukia, Assam	Tejpal Khandelwal	Owner Karnikara Cold Storage Mobile: +9194350 37070
209	Tinsukia, Assam	Yubaraj Sarma	Manager Karnikara Cold Storage Moblie: +9196787 06946
210	Tinsukia, Assam	Pinkoo Sinha	Technical Manager Karnikara Cold Storage Moblie: +9199549 19644
211	Tinsukia, Assam	Rubul Gohain	District Agriculture Officer Mobile: +9184868 57373
212	Roing, Arunachal	Dr Ista Pulu Gynaecologist @ District Hospital	Farmer – Oranges, ginger

Contact Telephone numbers and email addresses have been listed where available and offered.

Audio Archive

Almost all interactions were conducted with a live RECORDING.

Several other interactions at farmgates were also done in RECORDED mode, but due to paucity of time to listen to the entire taped conversation running to more than 10 hours, some of these interviewees have been left out.

These unedited RECORDINGS are available with Shri Ramesh Kumar.

On the whole, the trip was an eye opener regarding recent development initiatives wherein connectivity and long term vision for a progressive road map.

Yet, while the improvement is evident across roadways, rail, capacity building and others, there was limited evidence of business application to promote local entrepreunership and promote agri-trade with remote markets.



Record of Interactions

Record of Communications during the Tour