



## Technology Profile for Production of minimally processed Ready-to-Cook Green Jack fruits

1	Name of the Institute	ICAR Research Complex for NEH Region, Umiam, Meghalaya-793103
2	Address	Street: Umroi Road City: Shillong Pin Code:793103 Telephone: 0364-2570678 Fascimile number: Electronic mail:
3	Description of technology	45-60 days old fruits were peeled manually and made into slices. Slices were treated with different blanching time and dipped in different conc. of brine solutions with or without addition of potassium metabisulphite (KMS). This fruit slices along with brine solutions were packed in glass jars and stored at room temperature ( $24\pm5^{\circ}\text{C}$ and 70% RH) for six months. These slices were evaluated at 30 days interval for six months for its quality and shelf life. Best quality slices were recorded at <b>8% NaCl + 0.2% KMS</b> during storage at ambient condition.
4	Flow chart of technology/process	<p style="text-align: center;"> <b>Green jack fruits</b>  ↓  <b>Washing with clean water</b>  ↓  <b>Peeling and slicing</b>  ↓  <b>Blanching</b>  ↓  <b>Dipped in brine solutions</b>  ↓  <b>Packed in Glass jars</b> </p>
5	Area of application	Value addition in jack fruits
6	Patent number & Date of filing	Not filed
7	If patent is not filed, mention in which year the technology was developed?	Technology was developed in the year 2010
8	Did any entrepreneur has shown interest on this technology? If yes, please provide the name, address of the entrepreneur	Nil Nil
9	Equipment required	Machinery: Washer, juice extractor, heating

		kettle and sealing machine
10	Space requirement	100X100 feet room
11	Plant set up cost	Rs. 5.0 lakhs (approx.)
12	Raw material and production cost	Total production cost of Rs. 15-20.00 per kg final product
13	Risks/opportunities involved in adopting the technology	
14	Cost of available alternate technologies to similar products	No such products are available
15	Expected cost of technology (Royalty/Equity/Revenue mode)	Rs. 1.0 lakh
16	Any suggestion from Project leader for commercializing this technology	Very simple technology which does not require much technical skills
		

**Persons involved in technology development  
(names, designation & Signature)**

- 1. Amit Nath, Sr. Scientist, Div. of Horticulture**
- 2. Bidyut C. Deka, PS & Head, Div. of Horticulture**
- 3. Mr. L.K. Mishra, Technical Officer**
- 4. Miss Kabita Choudhury, Sr. Research Fellow**