Autonomous Body to serve as a Think-tank for Cold-chain and Agri-logistics matters.

Established in 2012 by Ministry of Agriculture & Farmers Welfare
About NCCD

- Autonomous body of the Government of India
- Objective to facilitate cold chain development
- Impacts across all user segments
- Guides policy matters
- Intervenes in capacity building
- Recommends standards

Sanctioned by Cabinet to function as autonomous body for cold-chain development. Provided one time grant as corpus, no recurring funding.
Originally conceived (by Task Force report of 2008) as a dedicated institution for cold-chain development to coordinate and support policy level interventions.

Set up by DAC&FW in 2012 based on CCEA approval, under PPP mode of functioning, to keep distanced from direct government involvement on a day to day basis.

Cabinet approval on 09-Feb-2012 with purpose to pioneer excellence for development of Cold-chain Industry in India

- Capacity building activities.
- Standards and Recommendations as an ongoing demand driven process.
- Take a lead role in establishing cold-chain infrastructure in the country, and thereby unlock the huge horticultural potential of the country.
History NCCD

Cabinet sanctioned NCCD on 09-Feb-2012

Incubating team

- First Director Sh. Shailendra Kumar (IAS)
- First Chief Advisor Capt. Pawanexh Kohli

In first year functioned as an advisory cell on matters of cold chain and agri-based logistics.

- Earned the reputation as Knowledge Centre
- Guided the formative policy for new Mission (MIDH)

In 2014 expanded team to take on added tasks

MIDH (Mission for integrated Development of Horticulture) is a Rs 16,800 crore GOI support mechanism with Post Harvest Infrastructure being a thrust area.
**Organisation Chart**

- **Chairperson:** Secretary AC&FW

**GC**

**EC**

- **Director:** Joint Secy (DAC)

- **CEO:** Chief Advisor

**Finance Advisor**

**Admin Cadre**
3 persons

**Technical Cadre**
2 persons

**Nodal Officers for Cold-chain Development (NOCDs)**
by States
Vision NCCD: Stakeholder Think tank

- Pioneer Excellence for the development of Cold-chain in India
- Take the lead role in promoting innovations in cold-chain development
- Enable an environment to bring experienced participation in operations & investments

Cold-chain is about networking the country with logistics system for food supply chains, to empower the producers through an intervention that opens up multiple markets for them.
### NCCD Participant Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Groups (Grower Associations, Cooperatives, FPOs, NPOs, Students, etc)</td>
</tr>
<tr>
<td>C</td>
<td>All Companies, Investors and Researchers.</td>
</tr>
<tr>
<td>I</td>
<td>Industry Bodies (Associations / Chambers), PSUs &amp; Apex Institutes.</td>
</tr>
<tr>
<td>P</td>
<td>Patron Members.</td>
</tr>
<tr>
<td>R</td>
<td>Resource Institutes: Educational Centres of Excellence, Regulatory Authorities.</td>
</tr>
<tr>
<td>A</td>
<td>Associate Member (Individuals)</td>
</tr>
<tr>
<td>F</td>
<td>Fellow of NCCD</td>
</tr>
</tbody>
</table>

Details on www.nccd.gov.in
19 States have nominated NOCDs (Nodal Officers for Cold-chain Development)

3 day residential Training at Chennai on advanced technologies, energy efficiency.
- Trainees from Government and Private industry

5 day course at Cemafroid in France
- Co-funded by Govt of France
Pioneering Excellence

- Entrepreneur & skill building – ripening units
  - Pan-India through members of NCCD
  - 1685 trainees, state level participation
- Student chapter, academic institutes
- Professional stakeholders
**Vision**
Reduce cost of Food Delivery across India.

**How**
- Promote Stakeholder participation in remedial measures.
- Fast track the movement of perishable cargoes.
- Reduce Risk to Inventory in-transit
- Provide technical viability to surface distribution of perishables.
- Improve monitoring & governance of perishable goods.

**RVC**
1800-267-NCCD

**Bottlenecks**
Delays

**Salient Features**
- Toll free access for refrigerated transporters for recording of complaints about in-transit bottlenecks.
- To help in identifying en-route delays for reefer transporters.
- Complaints received to be centrally recorded for relevant action from state and central authorities.
- To help in long term corrective actions to redress in-transit delays.
Knowledge sharing

Newsletters
Pilots, Systems, Standards

- Guidelines & Minimum System Standards
- Malda Mango to Delhi
  - 24 tons: 1500 kms, weekly
- Kinnow off season delivery
- ICAP harmonizing data

- Definitions and concepts
- Round tables, IC & JWG
- State Action Plans
New Concepts
- Study with inverse approach to cold-chain demand.
- Waste (stranded-cold) energy recovery from LNG regasification process, for perishable port gateway.

Agribusiness Leadership Award (2014)
Debate on Food Crisis at UK House of Lords (2015)
Expert witness to UK Policy Commission on cold economy
Chair on Food Loss and Waste at Global Summit in Hague
Additionally approved as NLA of NHM (under MIDH):

- Approved as NLA of NHM in 11-Apr-2012
- First Action Plan as NLA in 2013-14 (Nov-2013)

**Mandate: as National Level Agency of MIDH**

- To update technical standards and adherence protocols as necessary when improved technologies and efficiencies are introduced / understood / approved.
- Guide policy and standards for development of integrated cold-chain in the country, for perishable fruits, vegetables and other allied agricultural commodities to link with markets.
<table>
<thead>
<tr>
<th>Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>By consolidating demand, simplifying supply.</td>
</tr>
<tr>
<td>By extending market footprint of farmers.</td>
</tr>
<tr>
<td>By infusing ownership in the total value chain.</td>
</tr>
<tr>
<td>By diverting would-be loss into processing.</td>
</tr>
<tr>
<td>By creating brands versus commodity selling.</td>
</tr>
<tr>
<td>By laying onus on better handling practices.</td>
</tr>
<tr>
<td>By promoting produce owner participation.</td>
</tr>
<tr>
<td>By infusing infrastructure capital into rural India.</td>
</tr>
<tr>
<td>By linking producer owners to consumer buyers.</td>
</tr>
</tbody>
</table>
Organisational structuring.
Constitute technical Committees

Open Communication lines with public
- Web site and ITC interface.
- Monthly reach out programmes.

Map Existing enabling Infrastructure – storage & fleet
Register existing asset base, record future builds.
Assess viability gaps & asset base assessment.

Build Platform to create enabling environment.

Market Research & Case Studies
Policy
Collaborate
Share
Promote

Knowledge Repository national & international.
Industry participation to undertake pilot projects

Integrate sharing, promote collaborative base with govt knowledge houses & commercial organisations.

Develop skill resources, promote HRD with other govt bodies.
Sponsor excellence awards.

Commercial collaboration to promote technologies & curriculum.
Collaborate and coordinate national & international efforts.
testing, capacity building, norms

Technology, Standards, Laboratories, Guidelines
Skill / HRD, Innovation Investments, Growth

Policy recommendations to GoI

Roadmap NCCD

Roadmap – Phase II
Summary

Think tank to Govt on the subject of cold-chain. Engage with its members to translate industry needs into policy recommendation.

Provide an enabling environment and facilitate private investment in cold-chain sector.

Address concerns on standards and protocols related to cold-chain testing, verification, certification and accreditation.

Assist in developing and promoting energy efficient technologies and adaption in India.

Capacity building and training activities to reduce the gap in skilled human resources.

Awareness programs on best practices for perishable product handling, indigenised for specific requirements and conditions.

Stakeholder Members:

Groups (Self Help)
- Farmer Groups, Consumer Groups, Cooperatives, students

Educational (Institutes)
- Research, Academic & Training centres

Associates
- Individual associate members

Represent (Industry or Govt)
- Industry Chambers, PSU, Apex Bodies

Company (Commercial)
- Food sector, equipment sector, Investors, Consultants, Logistics, etc

Fellow
- Senior Individuals as Fellows of NCCD

“Actions”
Design assistance patterns, Operators Trainings, Institutional Workshops, Conclaves, MoUs, Field Studies, Appraisals, Redressals, Policy guidance.
The future of India is its rural farmscape... and that future is dotted with **Cold-chain!!**

- “Not mere stored inventory... its an intervention that bridges the rural-urban divide”.
- “Not just servicing a need... its about service excellence”.
- “Not about the infrastructure... that’s only a tool of the trade”.
- “Not just *Cold* logistics... its the ultimate supply chain”.

... NCCD Newsletter
- From the CEO’s Desk.
- Cold-chain Insights.
- NCCD Glossary.
Thank You

धन्यवाद्

II-Floor, B-Wing, Janpath Bhawan, New Delhi 110001
Email: Contact-NCCD@gov.in  |  Web: www.nccd.gov.in

www.FB.com/NCCD.India