# Resource Utilization

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# WHY WE ARE HERE

What is (not) our work?

- ఇది నా పని కాదు .. మా పరిధి లో రాదు (Avoid)
- మాకు ఎవరు సహకరించటం  లేదు (Blame)
- ఇది చాల కష్టం, అందరి అభిప్రాయం కావాలి (Confuse/charcha)
- దీని కంటే, అది బావుంటది, లేదా వేరే ఎదో చేద్దామా?(Divert/digress)
- మాకు పై నుంచి ఆదేశాలు లేవు (Evade)
- తమరు చెప్పినట్టు చేస్తాము(Flattery/fake)

What we should do

- ఇది నాకు సేవ చేసే ఒక్క మంచి అవకాశం, ఇది నా అదృష్టం

Complete/Extreme ownership

# TIME MANAGEMENT

Work – Core, Ceremonnial, Coordination, Courts, Choice

Time consumers – Staff, Senior levels, Public, Public representatives, Media, Family, Own

Techniques

- Categorise – what can you change: focus, what you cant change: forget (filter out noise, only 100% signal)
- Delegate – whatever can be done by your staff – train, explain, delegate
- Engage – take time to engage with stakeholders in open conversation, it moves task quickly later
- Observe and learn from the best, decode, standardize, pilot, scale up, support and improve the ~~worst~~ lagging

Tools

- Google calendar, Keep/notes
- Topic wise folders, topic wise task tracking sheets

When dealing with people – golden rule – treat others, as you would like to be treated

Best is enemy of good(exercise) ; Some report is better than no report(elections) ; Honesty is best policy(JSJB)

# AIM - ACCELERATED SUSTAINED EQUITABLE GROWTH

Improvement of producitivity of factors

- Land(natural resources)
- Labor(human resources)
- Capital(financial resources)
- Enterprise(collaborative resources)

Factors of production can be improved in accelerated manner only with – Technology

To achieve continuous technological growth, need innovation – knowledge economy

To decide to focus on technology and proper resource allocation – need Institutions

To ensure institutions, stay on track – need values

Values – Industry(hard work), Integrity(honesty), Humility(communication), Curiosity(learning), Collaboration(sharing)

# VIKSITH BHADRADRI KOTHAGUDEM 2047

For Telangana(200bn$) to become 1 trillion $ economy by 2034 and 3 trillion by 2047

Bhadradri Kothagudem(5.2bn$) has to reach 26 bn $ by 2034 and 78 bn $ by 2047

This requires CAGR of 19.6% till 2034 and 8.8% after that till 2047

Need structural shift

- Agriculture to Agri-industry shift – processing, storages/cold chains, biomass energy, value chains
- Industrial deepening – linking upcoming industries with existing industries and resources
- Urban economic densification – town belt evolving into higher value services and manufacturing cluster
- Logistics and location leverage – link point to Telangana, AP, Odisha, Chattisgarh – road,rail,waterway

| Sector | 2025(5.2bn) | 2034(26bn) | 2047(78bn) |
|---|---|---|---|
| Primary (Agri, mining) | ~30%(1.56) | 18%(4.68) | 12%(9.36) |
| Secondary (Industry, manufacturing, power, construction) | ~35%(1.82) | 42%(10.92) | 45%(35.1) |
| Tertiary (Services, logistics, trade, IT-enabled, public services) | ~35%(1.82) | 40%(10.4) | 43%(33.54) |

Note – 1 bn $ = 8300 crores

# GROWTH PLAN

To reach 26 bn $ by 2034, we need structural shift

| Sector | Share (2034) | Role |
|---|---|---|
| Primary | 15–18% | Feedstock, productivity base |
| Secondary | 42–45% | Core growth engine |
| Tertiary | 37–40% | Stabiliser and multiplier |

Primary sector (agriculture, livestock, fisheries, forests, mining)

- Objective – double productivity, not area, convert output into assured feedstock
- Need crop pattern correction – reduce water intensive paddy, expand fodder maize, pulses, oilseeds, specialty crop
- Integrated farming systems – crop + livestock + biomass
- Livestock productivity – fodder banks, breed improvement, milk meat processing centers
- Fisheries – hatcheries, multiple units, feed mills, processing, traceability
- Forest and NTFP – mandal level collection centers (aggregation), shift ownership (FPO + private processing), sustainable harvesting protocols
- Mining – mandatory downstream linkage(fly ash products, coal derivatives, fabrication, ancillary units)

# GROWTH PLAN

Secondary sector(manufacturing, processing)

- Manufacturing and processing
  - agro forest processing zones, minerals and materials manufacturing zones
  - Feedstock assurance – FPOs, clusters
  - Fewer clusters, larger scale
  - Mandatory local sourcing – tied with primary producers by contract
- Construction and materials
  - Cement derivatives
  - Precast, boards, composites
  - Green building materials

Tertiary sector(services)

- Trade, logistics, transport – multimodal logistics hub, warehousing, cold chains
- Urban services – health, education, housing, govt back office migration
- Knowledge and services – engineering services, compliance, design industry

# GIS MAPPING/TECHNOLOGY

Visualisation of data for quick and informed decisions

- Sources of data – Geological Survey of India, SLUSI, NRSC, TRAC
- Data points – departments – geo coordinates, unique ID and data point

Tools for visualization – QGIS, ArcGIS, R, Python , AI tools

Use cases-

- Flood levels – to check vulnerable, repeat flood areas
- Mapping schools and student strength – for clustering, supervision
- Mapping soil data, water run off data – for water recharge structures
- Village maps – for zoning(residential, public area, agricultural area, streams, water recharge, grazing, forest and tree growth)
- Utilities mapping – water pipelines, current lines, roads, phone towers, water canals, railway tracks

# SKILLS AND LIVELIHOOD

SECTORS

Agriculture, horticulture, sericulture

Processing –drying, freezing, press/powder

Poultry-chicken, quails, ducks

Livestock-dairy, sheep, goat, milk processing

Traditional skills-wood, stone, fabric

Industry skills – machine shop, electronics

Service skills- transport, wellness, home

New age skills – data annotation, analysis

*Learning new skills – ultimate goal*

INSTITUTIONS
NSTI
NSDC
Sector councils
FFSC
COLTE
Lernern

SCHEMES
State govt
Central govt

# ORGANIC FARMING

Soil, seed, moisture, nutrients, pest, weed, disease(microbes), weather incidents

Tree, Flower, Fodder, Herbs, regular, fish/bird/goat/cattle, honeybee

- Tree nursery – ippa, moringa, tamarind, gooseberry, jamun, jackfruit, tangedu, vaakkaya, so on
  - Need root trainers, soil transport, gardening tools
- Herbarium – Tulasi, ranapala, nalleru, nela usiri, aloe vera, lemongrass, shatavari, vetiver
  - Need plant material, technical guidance – many companies coming forward to provide
- Farm machinery set
  - Need to bring together set of tools that can help demonstrate mechanised agroforestry
- Biocomposting unit – needs repair, training and guidance
- Model silk rearing units

# LIVELIHOODS – RAINBOW REVOLUTION

| Unit | Setup cost | Running cost | Net returns per cycle | Cycle duration | Gap funding required |
|---|---|---|---|---|---|
| Quail units (300 birds) | Rs 50,000 (if shed required) | Rs 15,000 | Rs 10,000 | 1 month | Demo units for poor households Hatchery and feed units |
| Circulatory Aquaculture System (1000 korrameen fish) | Rs 3 lakhs | Rs 1.5 lakhs | Rs 1.5 lakhs | 8 months | Feed mill, feed release automation, hatchery |
| Fish rearing | Rs 20,000 to dig 1 gunta pond | Rs 10,000 | Rs 40,000 | 6 months | Improvements to Kinnersani fish farm |
| Bee keeping units | Rs 25,000 | -- | Need assessment | | Demo units for poor households |
| Tasar Silk Reeling unit | Rs 27 lakhs | | Proven in Chintoor | | Funding for setup at Bhadrachalam |
| Solar dryer units (40kg) | Rs 75,000 | -- | Rs 1000 | 1 day | Demo units for poor households |
| Sericulture unit | Rs 90,000 (subsidy portion) | -- | 1 lakh | 1 month | Need to setup demo units for habitations |

# LIVELIHOODS – RAINBOW REVOLUTION

| Unit | Setup cost | Running cost | Net returns per cycle | Cycle duration | CSR support |
|---|---|---|---|---|---|
| Biochar kiln and bio input resource center | Rs 20,000 | Rs 100 | Rs 500 | 1 day | Kilns, drums and tools for mixing of inputs |
| Quarter acre veg farms | Rs 20,000 | -- | Rs 1 lakh | 6 months | Material(drip, stakes, GI wire, mulching sheet) and seed kits |
| Quarter acre flower farms | Rs 15,000 | -- | Need assessment | 4 months | Seed kits, basic farming tools |
| Mushroom units | Rs 1 lakh | -- | Need assessment | 6 months | Need to setup demo units – oyster mushrooms |
| Elevated goat sheds | Rs 1 lakh | Rs 5,000 | Rs 60,000 | 6 months | Need to setup demo units |
| Bamboo farms | Rs 20,000 | -- | Rs 1 lakh | 1 year | Bamboo nurseries to be scaled up – tulda variety |
| Coconut and cocoa farms | Rs 1 lakh | -- | 2 lakhs | 1 year | Demo farms to be setup |

# MORINGA INTERCROP

Mulkalapalli – Mogaralaguppa village

# ¼ ACRE VEGETABLE FARM – MORAMPALLI BANJAR

# BIOCHAR - EXPERIMENTS

# BAMBOO PLANTATION WITH INTERCROP

Mulkalapally – Mogaralaguppa – bamboo with bobbar intercrop

# SOLAR DRYER


GPS Map Camera
Check In
Bodu, Telangana, India
Bodu, Kothagudem Telangana 507123 In,
Bhadradri, Bodu, Telangana 507127, India
Lat 17.676521° Long 80.440373°
Wednesday, 10/12/2025 12:21 PM GMT +05:30
Google

# AZOLLA FARMING – PADDY, FODDER

# CAS FISHERIES UNIT


# MUSHROOMS – CHOWTIGUDEM, MULKALAPALLY



# GOAT REARING – ELEVATED SHED, FODDER, MILK

# QUAIL FARMING

# DUCK FARMING – LAXMIDEVIPALLI, DAMMAPETA

# IPPA LADDU - CHERLA

# INITIATIVES OF DISTRICT – SOIL AS BUILDING MATERIAL

## Training on CSEB making

## Low cost, environment friendly building material

**District administration has taken up school compound walls under NREGS and using CSEB and ferrocement technique is in process of constructing a demo anganwadi**

# CSEB – BUILDING MATERIAL FOR ASSETS

# CSEB WALL AT MANGAPETA

# VETIVER ON IRRIGATION STRUCTURES

# YOUTH GOING TO ATTEND SKILL TRAINING

# HEALTH

Women, Children

Anemia – Iron, vit-b12, Zn, protein

Senior citizens – multiple issues

NCD – diabetes, hypertension

Malaria, Dengue, Typhoid, TB - sanitation

Food is medicine, One health(plants, animals, soil, water, air, humans)

Primary, Secondary, Tertiary health care

Institution – building, amenities, health equipment, staff (doctors, nurses, lab, pharma, sanitation), ambulance, consumables, lab, pharmacy

DMHO – primary health care

- Program officers – MCH, RBSK, Malaria, TB, DEMO, DDM, NCD
- PHC medical offices, LT, pharma, ANM, ASHA
- DRA, food safety

DCHS - secondary and tertiary care

- Deliveries, ophthal, dental, ENT, ortho, gynaec, pediatrician, SNCU

DME – medical colleges, nursing colleges

TGEWIDC

IPHS, NQAS, LAQSHYA, Kaya kalp

https://nhsrcindia.org/publication

# INITIATIVES OF DISTRICT – SICKLE CELL DISEASE SYSTEMATIC SCREENING

- National Sickle Cell Disease Elimination Mission
- Total individuals screened for SCD in camps – 262357

- Focused screening of children from ST community in schools
  - ST children screened in Residential schools – 15434
  - ST children screened in Day schools – 30064
- Total Sickle Cell Disease confirmed cases – 96
- Total Sickle Cell Disease Carriers – 1492
- List of students prepared to create database with APAAR ID linking with Sickle Cell ID
- Treatment started, UDID cards issued to SCD cases

# INITIATIVES OF DISTRICT – ONE HEALTH – ALL SECTORS

## Moringa


## Bamboo Plantation


## Integrated Vegetable Cultivation


## Biochar

## Solar Dryer

## Goat Milk

మేకపాలు శ్రేష్ఠం

## Circulatory Aquaculture System

## Mushrooms Cultivation

## Quails Farm

# EDUCATION

Early child education – AWC

Primary school - FLN

Secondary school – subjects

Intermediate – entrances

Technical education – ITI/polytechnic

College – arts, sci, commerce, engg, med, nursing, law, so on

Higher studies

## Infrastructure

- Basics – toilets, drinking water, stable roof, doors windows
- Classrooms – furniture, lights, fans
- Labs
- Computer labs
- Sports facilities
- Dormitories
- Kitchen
- Security(compound wall, cctv)

## Processes involved

- Teaching-learning
- Parent-teacher interaction
- Travel to school

# INITIATIVES OF DISTRICT – UNIFORM NUTRI GARDENS

## School medicinal gardens

6 trees – moringa, curry leaf, tamarind, amla, wood apple, jackfruit
6 medicinal plants – Tulasi, lemon grass, pattharchatta, bhumi amla, insulin plant, giloy

## Anganwadi Poshan Vatikas (215 in progress)

Standard design across all anganwadis in a cost of Rs 7,000
6 concrete rings, 6 concrete poles, GI wires, shade net, soil, FYM, seed

# TIME IS MOST PRECIOUS, BEST WISHES!

Don’t waste time on discussing about individuals

May spend some time on knowing about events

Time is best utilized in discussing ideas

Telangana does not need perfect officers. It needs honest ones.

The ₹250 lakh crore economy will be built by officers who did the right thing, when no one was watching and it would have been easier not to.