



NTPC KORBA HEARTILY WELCOMES Respected Delegates from Press & Electronic Media

NTPC KORBA | 30.03.2026



Presentation Outline



NTPC Korba at a Glance



Safety Initiatives



Environment



Operational Performance & Station Highlights



Station Initiatives



Impacting Social Lives through CSR



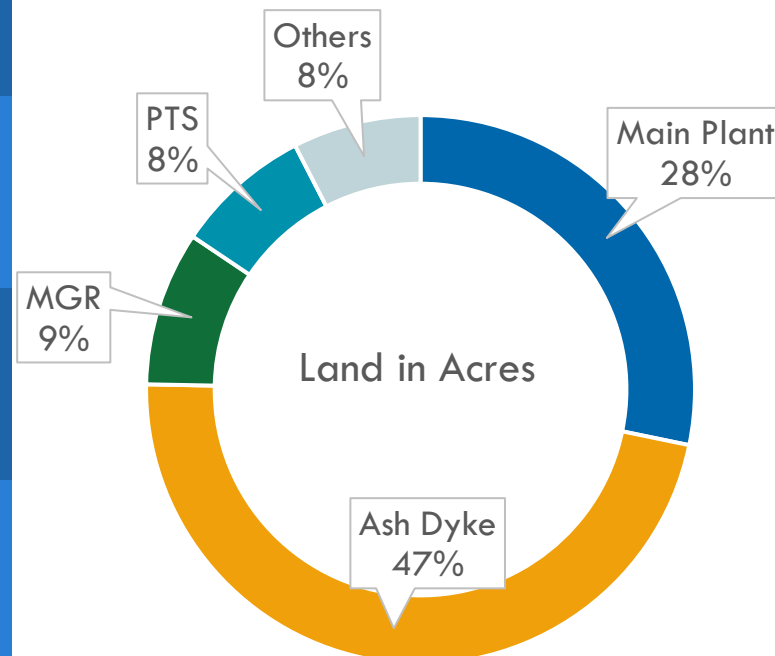
Awards & Accolades



NTPC Korba- NTPC's 2nd Oldest Thermal Power Plant



Location	Village Jamnipali, District: Korba, (CG), Nearest Railway Station: 15 km, Nearest Airport: 250 Km
Installed Capacity	2600 MW Thermal based (3 X 200 MW, 3 X 500 MW, 1 X 500 MW)
Land Details	5450 Acres, Green Cover of more than 33%
Coal Source	Kusmunda Block, Gevra Mines of SECL, FSA of 145.12 LMTA, 100 % transportation through rail.
Water Source	Hasdeo River, Sourced through Right Bank Canal, Hasdeo Barrage. Water agreement : 92.00MCM/ Year
Certification	5S certification, NABL Accreditation to Chem. testing Lab & Electrical Testing Lab



33% Green Cover

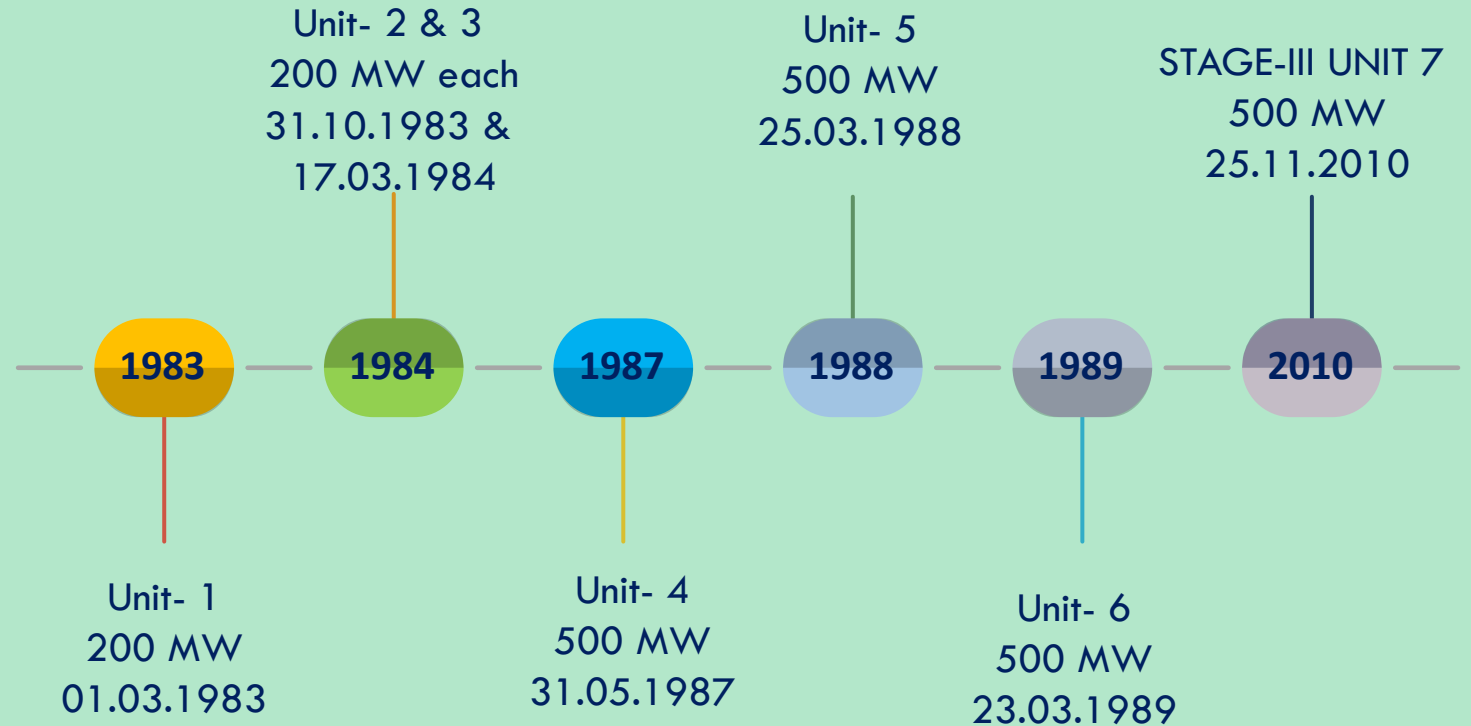


JOURNEY-Date of Commissioning



The journey of NTPC Korba started in Jan 1978 with approval of 2nd project of NTPC by GOI.

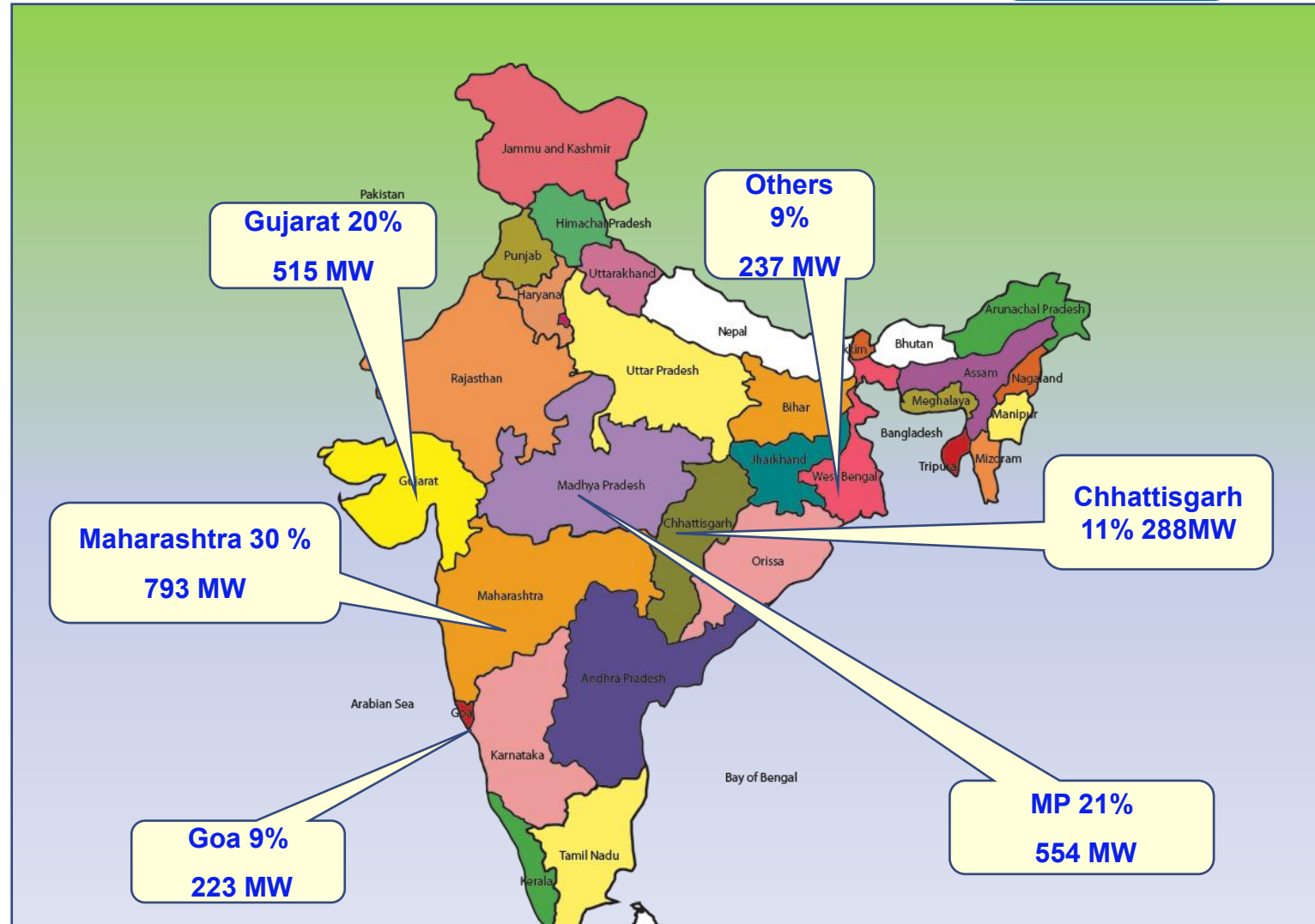
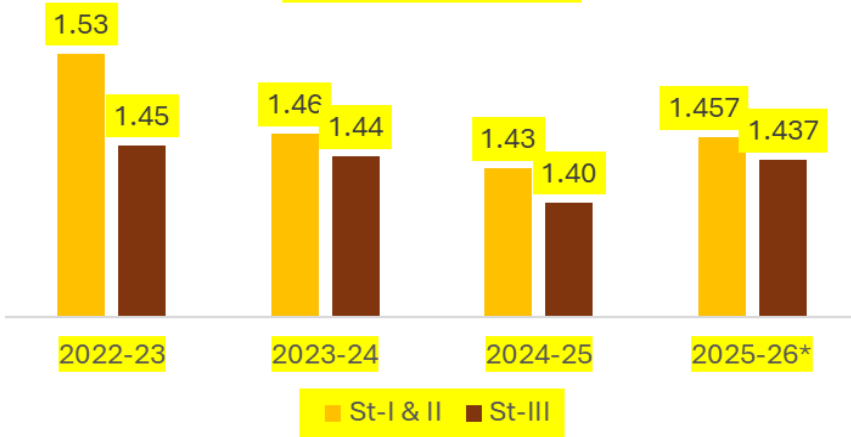
Stage-I Units #1, 2 & 3 completed 40 years of commercial operation in June 2024, while Stage-II units completing 35 years stand as a testament to decades of resilience, sustained performance, and dependable power delivery.



Plant Age Profile & Major Beneficiaries



ECR (Rs/ kwh)



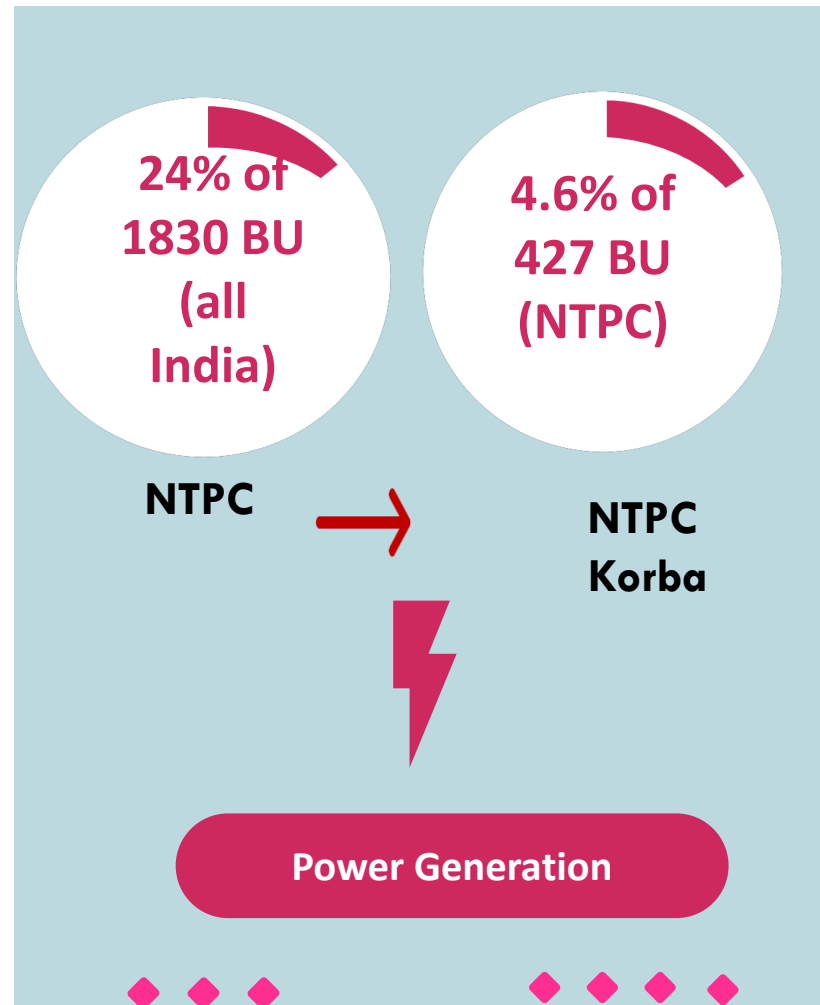
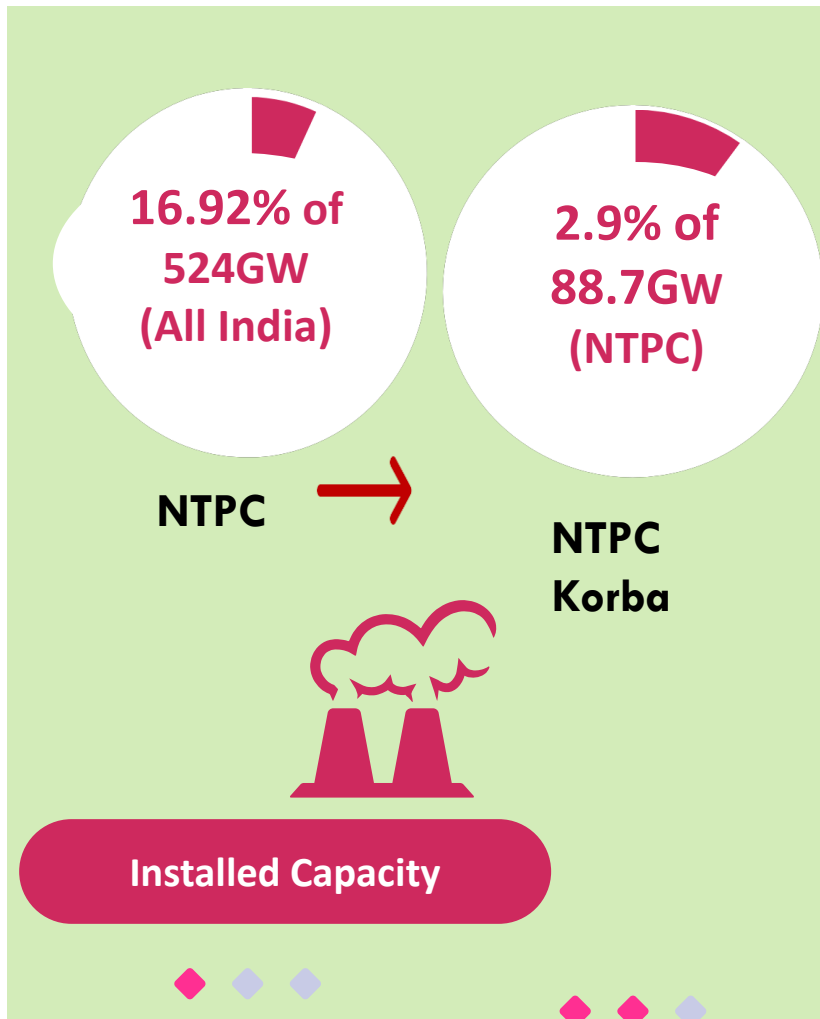
State wise Merit Order as on 28.03.2026

Sr. No	State	Stage I&II (2100 MW)	Stage III (500 MW)
1	Maharashtra	2	1
2	MP	3	2
3	Gujarat	7	6

Besides the above we are also supplying power to D&NH, D&D.



NTPC Korba - The Most Efficient Business Unit of NTPC



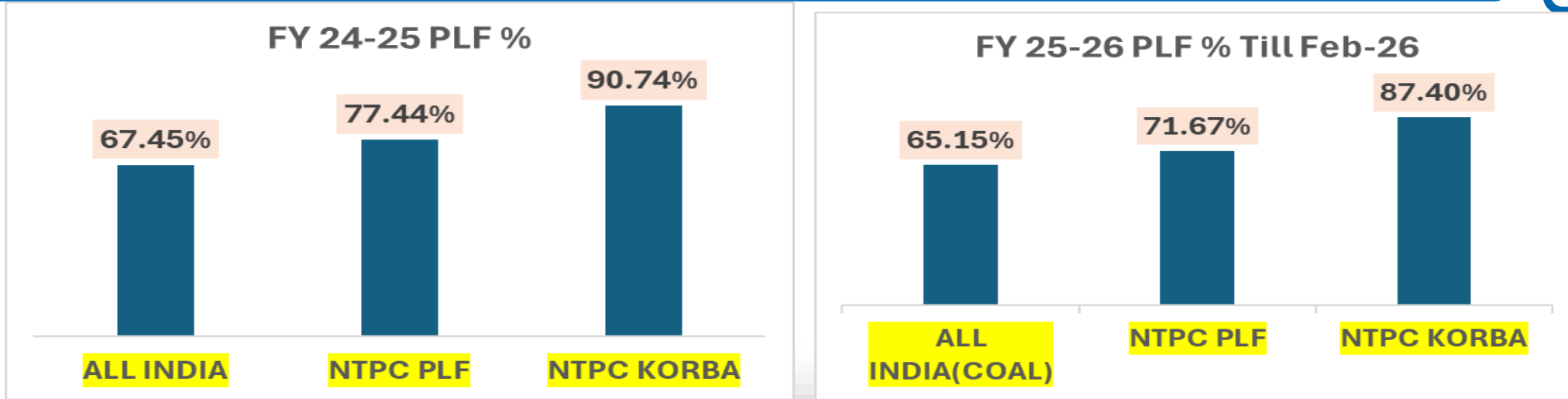
As on 29th March 2026





Station Performance Highlights

Consistently Delivering the Highest PLF Among NTPC Stations



FY	PLF(%)	NTPC Rank	All India Rank
2025-26* up to 28.03.26	87.7 %	1 st	9 th
2024-25	90.76 %	1 st	5 th
2023-24	89.84 %	1 st	2 nd
2022-23	91.15 %	1 st	2 nd
2021-22	93.28 %	1 st	2 nd
2020-21	93.66 %	1 st	3 rd

Salient Operational Highlights- Current FY



Unit 7 achieved 455 days of continuous running, which is the 3rd highest continuous running days in the history of NTPC 500MW units.

Unit #1 has achieved 416 continuous running days, which is currently the highest among all 200/210 MW units of NTPC. All three units of Stage-I are among the top five longest-running units in NTPC.

NTPC Korba has recorded a specific oil consumption of 0.18 ml/kWh, which is the lowest among all NTPC stations in the current financial year.

FY25-26 Ash Utilisation till Feb-26 is-110%,.



Awards & Accolades:



Certificate of Excellence Apex India Foundation Health & Safety Award-2025 (Platinum category)

Kalinga Safety Excellence (Premium) Award- Performance Year 2024 (Platinum category)

Received CEE National Waste Management Award-2025

Received EXCEED Award in Platinum Category by Sustainable Development Foundation (EKDKN) supported by MoEFCC

Certificate of Excellence in 10th Apex India Foundation Occupational Health & Safety Award-2025 (Platinum category)



Awards & Accolades:



Received “Excellent PLF Plant of the year” Award in 3rd CEE National Power-Gen Leadership Award-2025

Korba awarded “GOLD Award” under Safety excellence category during 23rd Greentech SFS 2025.

NTPC Korba has been awarded the “Best National Water Efficient Unit” at the CEE 4th National Power Generation Water Management Award 2026.

Korba STPP has received 2nd Annual Green Enviro Platinum Safety Award 2026 under Safety Excellence category.

NTPC Korba has been awarded the “Best National Energy Efficient Coal Plant of Year” at the CEE 5th National Power Generation Energy Efficiency Award 2026.



Vision

"To be the best power station of India exceeding expectations of all Stakeholders"

Mission

"Energize India's growth by providing Reliable Power in sustainable Manner driven by culture of continuous improvement"



Our Core Values



Integrity
सत्यनिष्ठा



Customer Focus
& Agility
ग्राहक को प्रधानता
एवं स्फूर्ति



Organisational
Pride
संगठन पर गौरव



Mutual Respect
& Trust
परस्पर आदर एवं
विश्वास



Innovation &
Learning
नवप्रवर्तन एवं
ज्ञानार्जन



Total Quality &
Safety
संपूर्ण गुणवत्ता एवं
सुरक्षा

Practices at Korba:

- A) Robust safety framework
 - I. Safety Walks by HOP & HODs
 - II. Near-miss reporting via Suraksha App
 - III. PTW, JSA, TBT compliance
 - IV. Safety reviews in SMC & DPM
- B) Basic infrastructure -Workers rest room
 - Clean drinking water, toilets etc.
- C) Timely wage payment
- D) Regular health checkup
- E) Regular training to enhance skill and safety



Workers Rest Room



Workers skill enhancement training



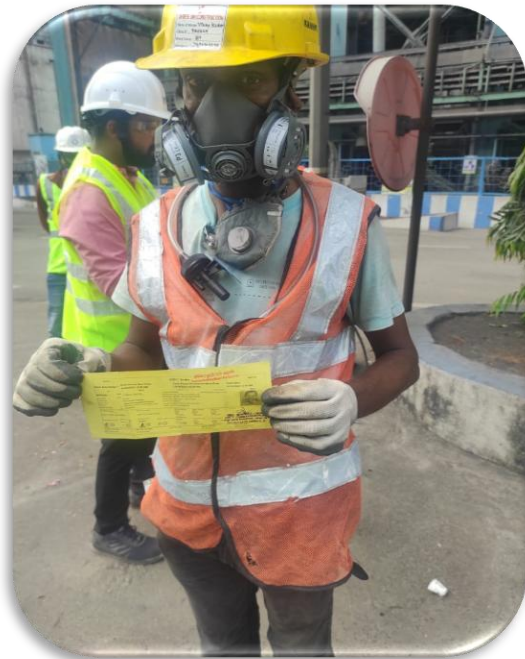
Regular health checkup



Encouraging Safety



Comprehensive Industrial Hygiene Survey



Dust Samplers to workers



Ventilation measurement at TG floor,
Control room



Light, Noise, Heat
measurement at TG & Boiler
area measurement



Ammonia Mist checking
in Dozing area

Conducted by CG State certified Competent Person





Planted More than 30.31 lac trees till date with Survival Rate >95%



Charpara Dyke
FY 25-26



Dhanras Ash Dyke (Near Ghamota)
FY 2024-25



Dhanras Ash Dyke(Near Ghamota)
FY 2023-24



**Greening the Future: Plantation
of 50,000+ Saplings Annually**



Latitude: 22.366311
Longitude: 82.677231
Elevation: 369.86-1 m
Accuracy: 5.6 m
Time: 05.12.2023 10:40
Note: NTRC, KORBA, CHARPARA, 2022

Charpara Ash Dyke FY 22-23



Birwat, Chhattisgarh, India
Birwat, Chhattisgarh 495450, India, Birwat,
Chhattisgarh 495450, India
Lat 22.369604° Long 82.675662°
Tuesday, 23/12/2025 12:08 PM GMT +05:30

GPS Map Camera

Charapara-Engineering to Ecology



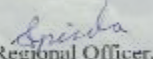
**Charpara Ash Dyke reclaimed by plantation of more than 4 Lacs trees
Reclamation Certificate received from Chhattisgarh Environment Conservation Board**




REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD,
NEAR TEHSIL OFFICE RAMPUR, KORBA, DISTT-KORBA (C.G.)
Email Id:- rocecbkorba@gmail.com
No. 1168 /RO/ TS/C.E.C.B/2022 Korba, Dated: 30/12/2022

RECLAMATION CERTIFICATE

This is to certify that M/s NTPC Limited, 2600 MW TPP, Jannipali, Distt-Korba (C.G.) has reclaimed its ash dyke situated at Village-Charpara having a total land area of 900 acre. The ash dyke contains 55.64 MCM quantity of fly ash. The dyke is not in service from 2001 and around 4 lakhs saplings has been planted in the reclaimed area. The dyke has been stabilized according to the stability report prepared by IIT Roorkee with a factor of safety greater than 1.4.



Regional Officer,
Chhattisgarh Environment Conservation Board,
Korba (C.G.)

Entd. No. 1168 /R.O/ C.E.C.B/2022

Korba, Dated: 30/12/2022

Copy to:

The Member Secretary, Chhattisgarh Environment Conservation Board,
Nawa Raipur Atal Nagar, Raipur for favour of information please.


Regional Officer,
Chhattisgarh Environment Conservation Board,
Korba (C.G.)

There is no life without nature. May nature (earth) be protected by our good deeds.



Reclaimed Charpara Ash Dyke VIP Visits



“It is very surprising that such forest cover can be done on ash dyke.”

Smt. Shangeetha R IAS

Chairperson CECB Chhattisgarh

Date 19.04.2024

From the ground level it appeared that it is a natural vegetation. But here it is a man-made dense jungle with straight trees and well pattern plantation. Old tree must be removed, and plantation may be done”

Expert appraisal Committee member of MOE&F

Date :18.05.2023



Natural Eco park



Glimpses of Excellence - Dedication to Environment



SPM



ESP R&M in all Units of stage # 1 & 2 completed.

SO_x & NO_x



Work of FGD installation is in full swing, will be commissioned by Dec27 for all units. De NO_x SOFA completed in unit 7

ZLD



ZLD System commissioned in the plants. AWRS fully functional ..

Green covered area



Around one third of total plant area is green zone along with many other green patches developed through 5000 sapling plantation every year



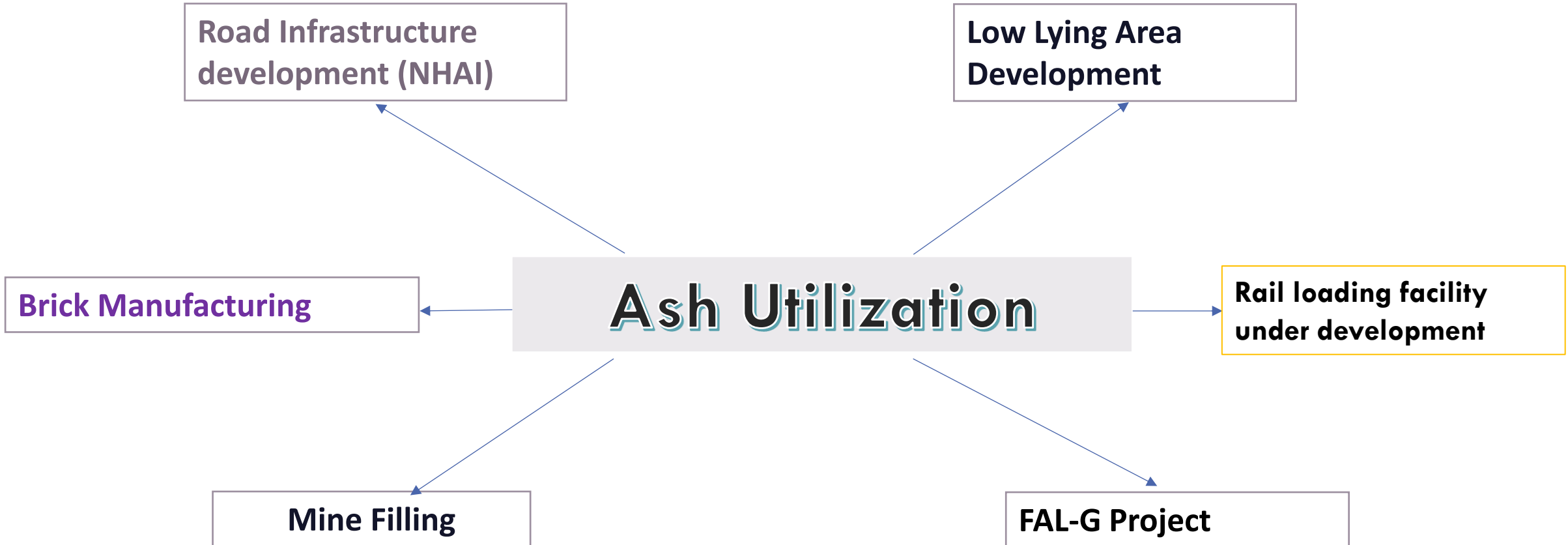
FGD Installation: A Shield for Air and Environment



Commissioning	U1,2,3	U4	U5	U6	U7:
Expected Gas-In	March'27	Dec'26	Sept'26	Dec'27	Sept'27
Final commissioning /COD	June' 27	March' 27	Dec' 26	Mar '28	Dec' 27



Ash Utilisation Roadmap

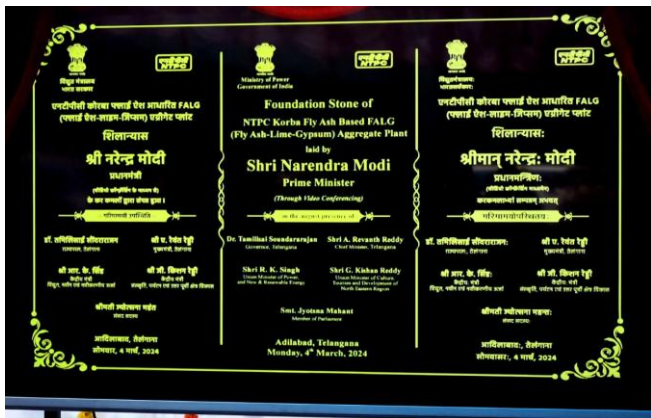


*NTPC Korba has achieved **119% ash utilisation in FY2024-25, 110% Till feb'2026** and developed a comprehensive 100 %+ plan every year .*





New Initiatives & Best Practices



Fly Ash Lime Gypsum Aggregate (FALG)

- ❖ Design and setup of a 100 m³/day FALG Coarse Aggregate Demo Plant at NTPC Korba.
- ❖ Target Date Of Completion : 28/02/2026
- ❖ Fulfill the required specifications parameter of **MORTH** (ministry of road transport and highway) for road aggregates as per IS9142 and for structural concrete aggregated as per IS383



Ash Utilization-Korba: New Initiative FALG Plant



1. NTPC Korba is Setting up 100 m³/day FALG(Fly Ash Lime Gypsum) Coarse Aggregate production Plant based on Patent technology granted to NTPC Ltd.
2. FALG Plant being set up at Korba is a simple, eco-friendly and cost effective four-step process for the production of angular shaped high strength synthetic aggregates using fly ash and Lime.
3. Developed angular shaped fly ash aggregates using steam curing method are sufficiently tough, strong, hard and durable, which also fulfill the required specifications of MoRTH for road aggregates and specifications of IS 9142: Part-II & IS 383 for structural concrete aggregates.
4. Based on the test results of fly ash aggregate obtained for different mix proportions of NTPC plants fly ash, the certain recommended process parameters will be followed for production of angular shaped fly ash aggregate through pilot plant at NTPC Korba.
5. This state-of-the-art plant will **produce course aggregate that can replace natural aggregate**, derived from large scale mining leading to the depletion of natural resources and ecosystems.
6. Angular Shaped fly ash aggregate will be produced by using 88% fly ash and 12% lime (binder) . 88 M³/day fly ash will be utilized.
7. *The production cost of fly ash aggregate , on installation of the pilot plant and implementation of this Pilot project, including cost of steam, Total Production cost of aggregate = Rs 1255.9 per m³ (including procurement of raw material)

* Based on Study conducted by SVNIT Surat “Process optimization for conversion of fly ash into aggregate including design mix & process methodology”.

Cost of the purchase of natural aggregate (including royalty) is Rs 1130 per m³



NTPC is willing to receive STP-treated water from KMC on a chargeable basis

1. Land allocated to Korba municipal corporation for set up of- sewage treatment plant at Pragatinagar area of NTPC Korba, NTPC will receive 20MLD on chargeable basis.
2. This STP water will further be treated through a tertiary treatment plant which will be set up by KMC in the vicinity of this STP on depositary basis,
3. 14Cr one time grant has been given to KMC.
4. Further MOU signed for Tertiary treatment plant at an estimated cost of 111.64 Cr.
5. Treated water will be utilised CW system of stage#3, which operates in a closed cycle.
6. DPR submitted by KMC has been reviewed by NTPC ,project is cleared by PFIC and NIT by KMC is in progress.





CORPORATE SOCIAL
RESPONSIBILITY
KORBA



CSR in various sectors

- Health
- Sports
- Infrastructure
- Livelihood Generation
- Education

ADDRESSING GLOBAL SUSTAINABLE DEVELOPMENT GOALS



Health



Impact of Mobile Health Unit of NTPC Korba (2024-26)

- a) More than 25,000 OPD cases in 31 villages and 07 Haat Bazar
- b) Antenatal Care: 575 expectant women
- c) Postnatal support and guidance: 673 women
- d) Scabies Management: 218 patients
- e) Dental care: 248
- f) Very low Body weight in Children: 108 identified
- g) DOTs for TB



Health



 **368**

Poshan Aahar (Kids)

Most of them are Pre-primary – middle school students
Provides Nutrition Kit



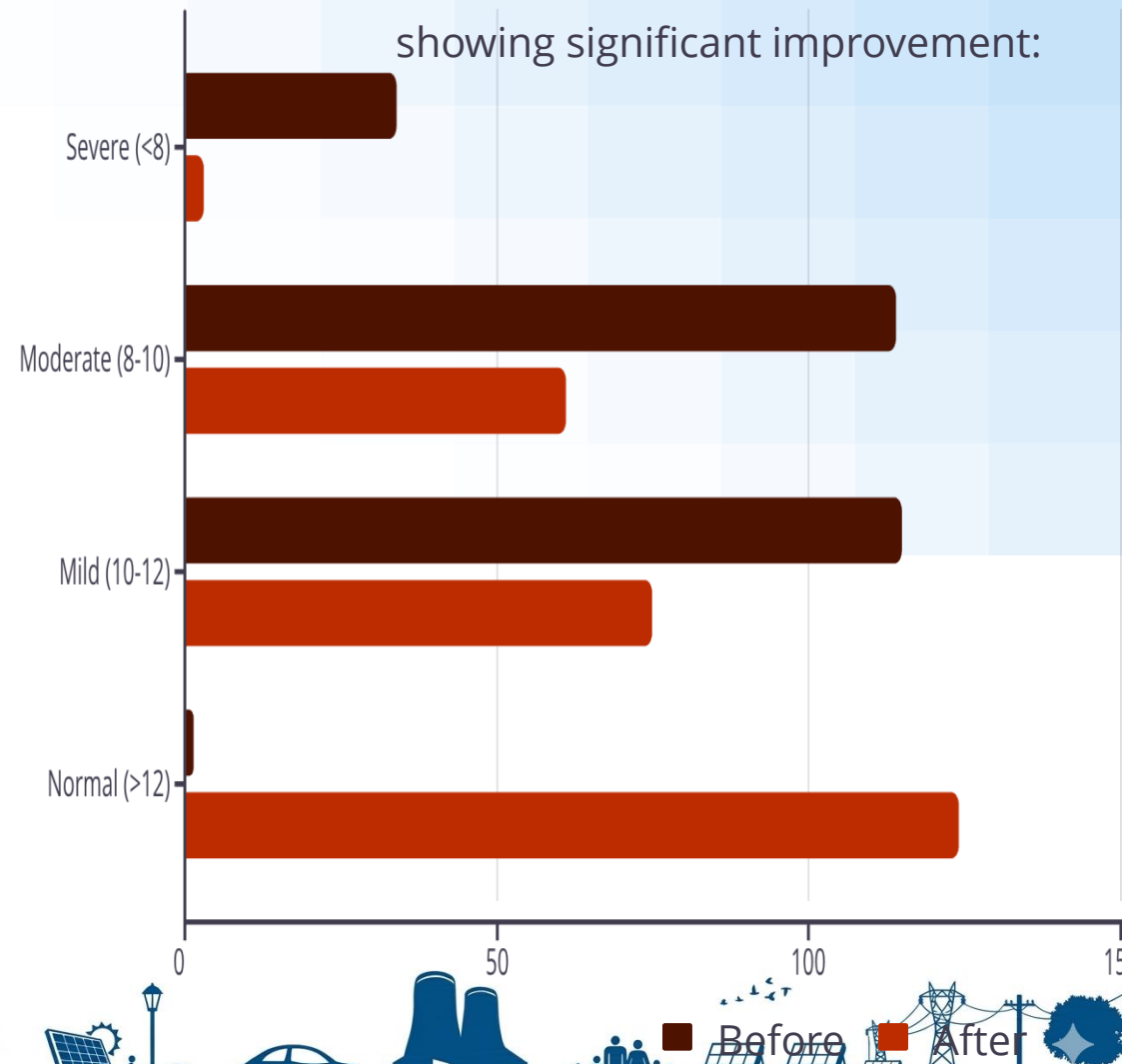
 **360**

Anemia Unmulan Scheme:

Most of them are Girl Child - 8th -12th
Provides supplements and Nutritional Kit



263 children under program showing significant improvement:



Health

Years	Rehabilitation services	No of aids Distributed
2021-22	766	43
2022-23	767	64
2023-24	228	120
2024-25	580	123

Facilities and services in NFNDRC :-

1. Surgical/Therapeutically services
2. Manufacturing of Artificial Limb, Calipers & other aids
3. Repairing of Artificial limb, Calipers
4. Awareness on rehabilitation services
5. Assistance in getting Disability certificate, UDID card ,Rly. concession ,Disabled pension & others.
6. NFDRC conducts camp for Dist. Admin. Korba, NTPC Sipat, Lara and Gadarwara .



Health: Recent MOUs with District Administration



S No.	Activity	Amount in INR (lakhs)
1	Portable X-Ray units different Community Health Centers	109
2	Child SNCU unit for Govt. Medical College	
3	Dialysis machine for Katghora Govt. Hospital	12
4	TB eradication program for 500 persons of Korba District	15

Health Infrastructure in Korba

District

05 PHCs in Target Villages

Recently renovation done in
Charpara Kohdiya and Gopalpur

PHC



PHC Gopalpur



Health: Appreciation by Collector Korba



SPORTS

Archery: Korba's tribal communities especially Pahadi Korwa and Brinjwar possess inherited archery skills rooted in tradition. A structured archery program to hunt and nurture this natural talent.

Football: NTPC Korba, a Catalyst for Football Excellence in Chhattisgarh since 2017, has been instrumental in fostering a vibrant football ecosystem in Chhattisgarh.

- NTPC organizes selection tournament & coaching camp for Chhattisgarh Football teams.
- 16-18 selected players from the coaching camp represents Chhattisgarh in National Football Championship.



SPORTS



Football: Achievers

Kiran Pisda

- Captain of the Chhattisgarh Female Football Team
- Member of the National Football Team
- First female from Chhattisgarh to sign with a professional European football club
- Represented India in various international events, including the SAFF Championship in Nepal
- Plays for Madhurai FC



More than 1000 players got support

Some of the notable achievers

- **Arsh Anwar Sheikh** India U-23 in the Asia Cup Qualifier's, Bagan in the Indian Super League (ISL).
- **Suresh Kumar Dhruw** Indian School team for the Asia Cup 2018.
- Avishekh Kunjam (East Bengal FC), Prateek Kumar Singh (Chennai in FC), Ranjeet Kumar Pandre (Punjab FC), and Sumit Goswami (North-East United FC).
- Players-like Pinky Kashyap and Priyanka Kashyap have joined top clubs like Mumbai City FC and Kerala FC.



SPORTS



Harshit Thakur

- Notable Achievements:
- Represented India at the World University Games in Chengdu
- Won Gold in the Chhattisgarh State Championship
- Represented India at the APACS World



Akarshi Kashyap

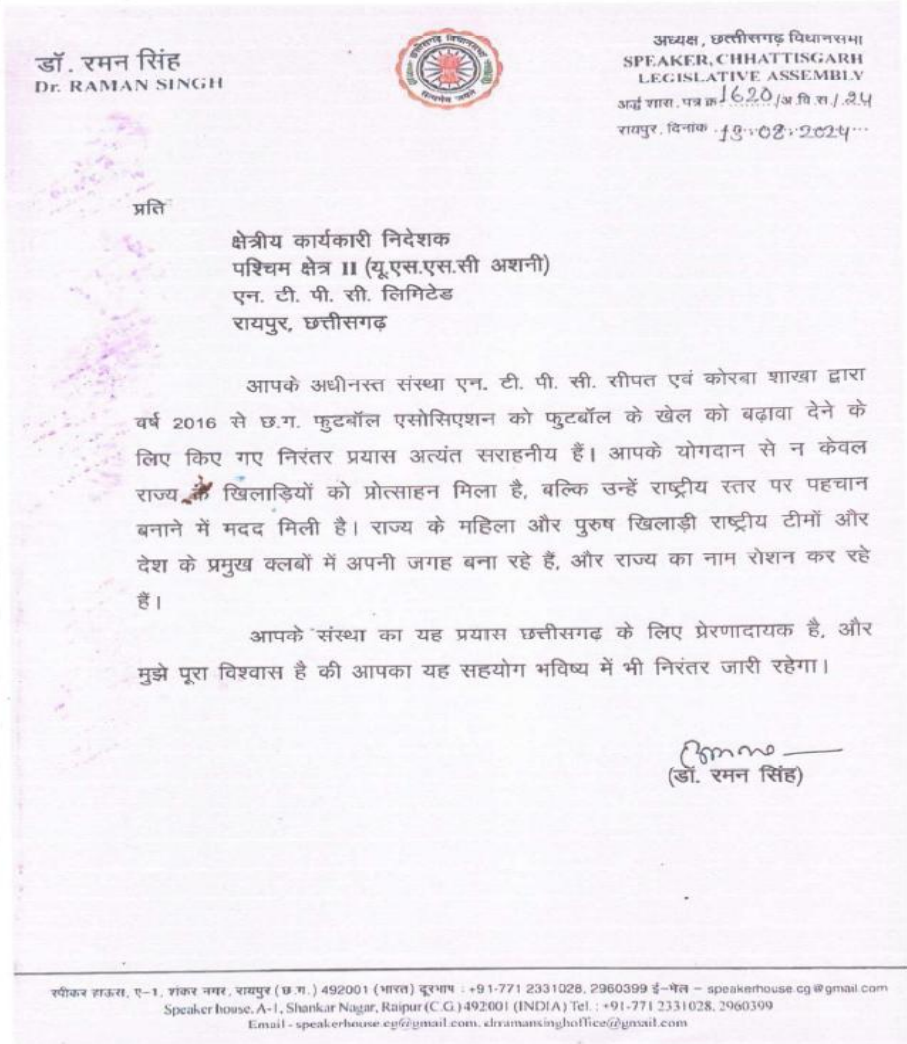
- Notable Achievements:
- She has won Medals in Asian games and Commonwealth games
- All India rank in top 3



Shruti Yadav

- Notable Achievements:
- She has won Medals in Asian games and Commonwealth games
- All India rank in top 3





Appreciation Letter for Football Coaching Camps

■ Shri Raman Singh

- Speaker, The Chhattisgarh Legislative Assembly
- 2nd Chief Minister of Chhattisgarh



Infrastructure

- 1. Community hall:** 11 Completed and 01 Under-construction
- 2. Streetlight:** In 7 words/villages
- 3. PHCs :** 05 PHCs
- 4. Roads:** More than 40 KMs, recently in FY 25-26- more than 7 Km (through District Administration)
- 5. Schools, Hostels and Colleges:** Support provided for development of 14 Schools, 03 Hostels, 02 Colleges
- 6. Bus stands :** One Under-construction at Darri
- 7. Health Parks:** One Under-construction at Gopalpur





Road: Infrastructure in partnership with District Administration FY 24-25 and FY 25-26



S. No.	Project	Project Cost in lakhs	Status
01	Road Charpara Kohdiya	180	Complete
02	Gopalpur	149.5	Started
03	Saliabhata to Purenakhar	64.0	Contract Award
04	Banchar to Jatangpur	109	Contract to be awarded



Other: Infrastructure in partnership with District Administration FY 24-25 & 25-26



S. No.	Project	Project Cost in lakhs	Status
01	Construction of Kharmora Boundary Wall	15.00	Under Tendering
02	Street Light: Dharas	23.00	Approved
03	Jamnipali Kanji house	29.90	Under construction
04	Community hall at Darri	25.00	Under construction
05	Bus Stand Darri	9.00	Complete
06	R&M of 07 Govt. School at Nagar Nigam	26.61	Under progress
07	Charpara: Community hall, Gate and Manch and Pachri	64.00	Proposed





Infrastructure directly executed by NTPC FY 24-25 and 25-26



S. No.	Project	Project Cost in lakhs	Status
01	R&M work 04 Community hall- Gopalpur, Dhanras, Indira Nagar, Agarkhar,	23.0	Under progress
02	Garden- Gopalpur	21.00	Under progress
03	02 New Community hall- Jamnipali and Lata	55.00	Completed
04	R&M of 02 Anganwadi Jhora and Chhurikhurd	16.00	Under Award
05	05 Pond Rejuvenation: Chhurikhurd GramPanchayat and Dhanaras Gram Panchayat	18.00	Contract Awarded
06	Panchayat Bhavan Charapara Kohdiya	5.61	Under progress
07	PHC- Charpara Kohdiya and Gopalpur	11.00	Completed





Water and Sanitation



NTPC signed MOU with Nagar Nigam for setup of 33 MLD Sewerage Treatment for Korba City.

- NTPC Contributed 14.29 Cr for the setup under CSR
- 6 acre land is provided by NTPC





Livelihood Generation



S. No.	Skill training and livelihood Generation	Impact
01	Machine Operator Assistant- Injection Molding Machine (NSDC certified)	110 Students got placement, Approx. Rs 16000-22,000/- per month
02	Machine Operator – CNC Lathe (NSDC certified)	50 Students got placement, Approx. Rs 14000-20,000/- per month
03	Assistant Hairdresser & Stylist Training Advance Beautician	Self-employment (Rs 3000-20000/- per month)



Livelihood Generation



SHG- Dona- Pattal

- SHG member is earning around Rs 50000 per month
- In year 25-26 they have earned more than Rs 6.0 lakhs
- Recently provided Semi-Automatic Machine



SHG- Commercial Stitching

- 03 SHGs Each earning Rs 3000-7000 per month per member.



SHG-Water Hyacinth

- Income generated by the emerging SHG till date is Rs. 70,000 while in training



A picture is worth a Thousand Words



NTPC KORBA

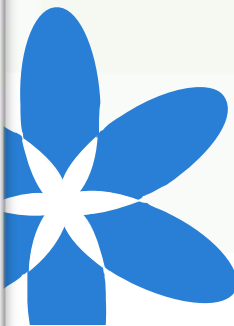
WASTE TO WEALTH

A Value Chain Development of Water Hyacinth

Women Empowerment



NTPC Korba SHGs – Skilling





Education

**Aganwadi
(In-proposal)**
Pre Primary school
Development in
Jhora and
Chhurikhurd

**GEM
Girl Empowerment
Mission
(Class 5th pass out)**
41- School Covered
36-Villages
576-Girl

**After School Classes
(In-proposal)**
Students from Class
6th to 10th in
selected government
schools.

**Coaching classes
JEE/NEET**
1st Batch of Super 25
Students from Class
11th is running

**Government Job
Exam Preparation**
140 Underprivileged
students of the Korba
District, specifically
targeting Project
Affected Persons
(PAPs)



GIRL EMPOWERMENT MISSION (GEM) 2025

A Symphony of Empowerment and Dreams Fulfilled

6th year since inception

GEM Workshop
conducted for girls of

41

Schools

Spreading
across

36

villages and wards

Fulfilling the
Dreams of

576

girls since
inception



Education

Government Job Exam Preparation



EVOICE (Employee Voluntary Organization for Initiative in Community Empowerment)

- 1st Batch successfully run for 4 months by "E-VOICE" (Employee Voluntary Organization for Initiative in Community Empowerment) resulting in
- Selection: **3** students clearing the Nagar Sainik exam and **11** students Cleared the Constable Exam.
- 2nd Batch for 70 students is about to start for one year course





THANK YOU