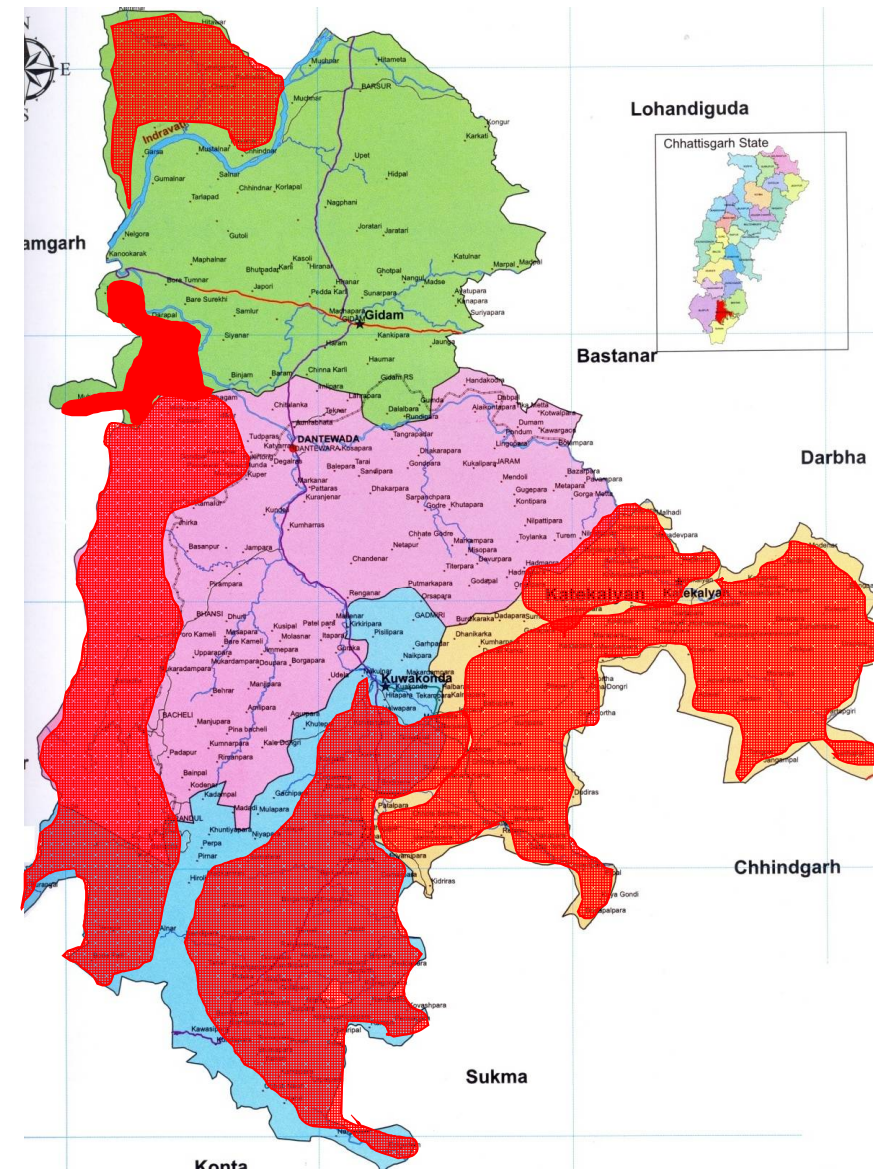


Padhe Dantewada Likhe Dantewada

Mobile app based student tracking system



Saurabh Kumar, IAS
District Magistrate & Collector



LWE Affected Area

Around 40% of Dantewada is in the red zone

Poor Social Indicators



About 42
GPs (out of
124) are
highly
inaccessible



82
habitations
(out of 218)
do not have
access to all
weather
roads



67% forest
cover



86% BPL
families



83 person /
sq. km
population
density
(Census
2011)



Literacy rate
41.19%
Dantewada
3rd least
literate
district in the
country
(Census
2011)

Initiative

Padhe Dantewada - Likhe Dantewada
is a technology led intervention to

Measure

Track

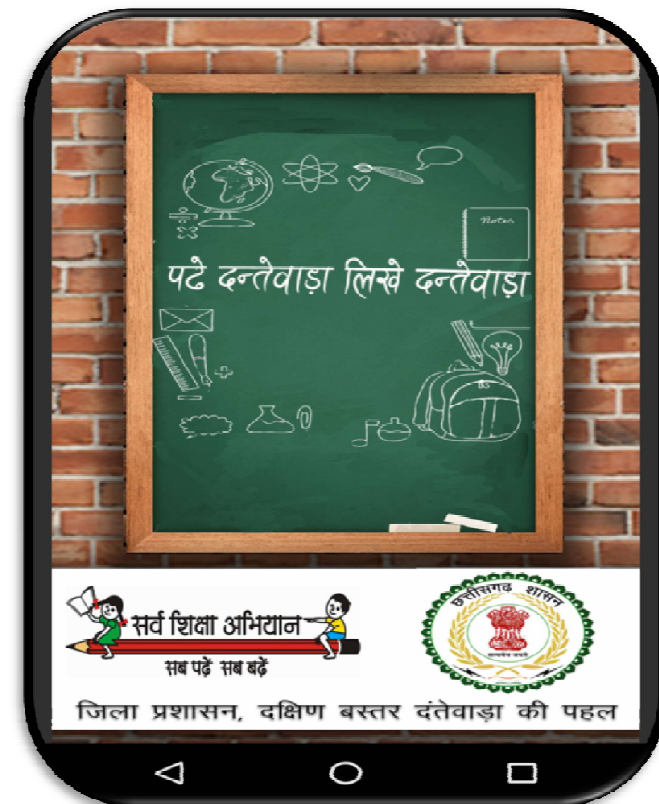
Monitor

the **Individual learning and health care needs** of

885
schools

2493
teachers

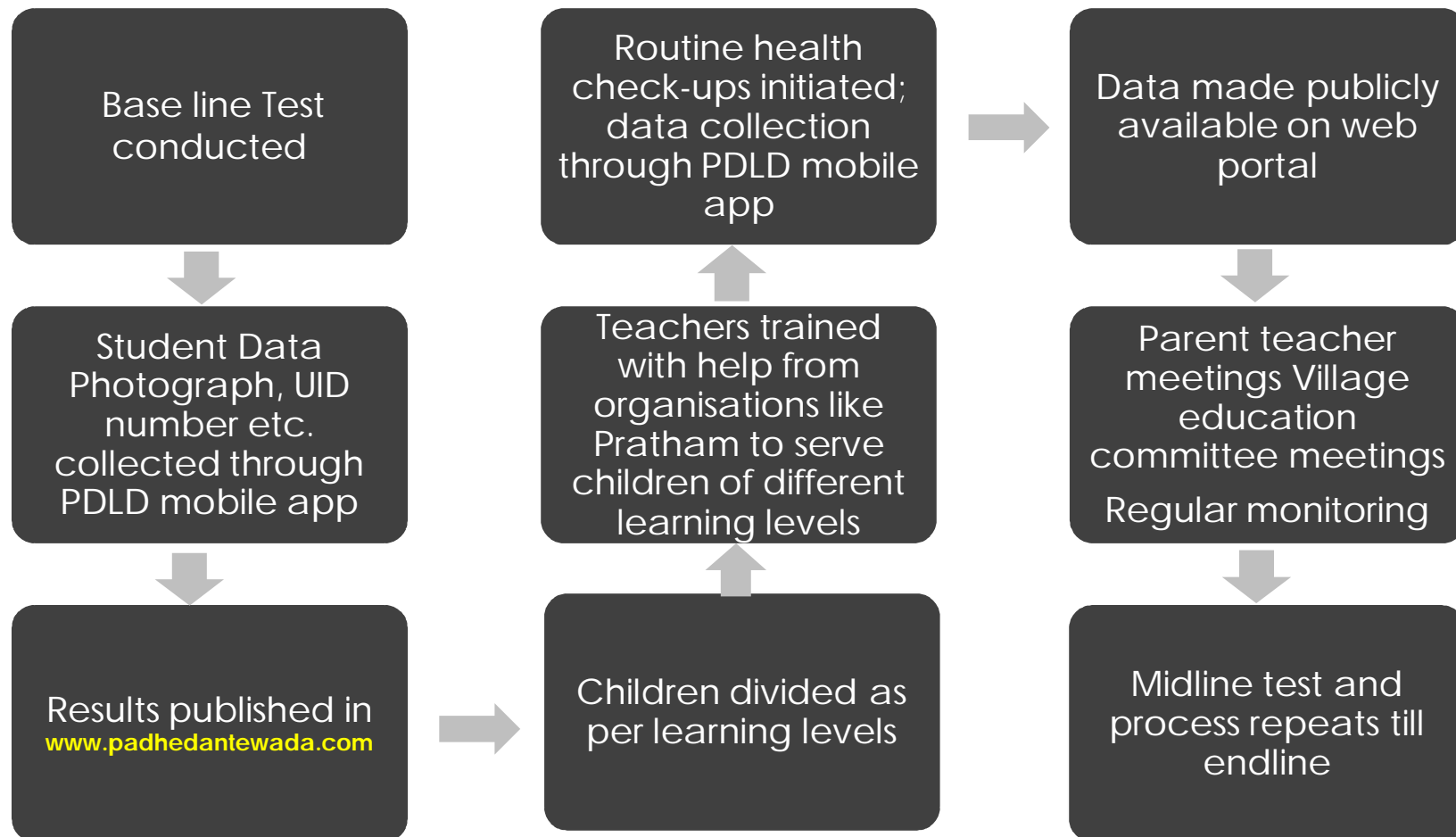
38499
students



Need

- No mechanism to identify **individual learning** needs to adopt targeted, innovative pedagogical practices
- No data at granular level; all existing review process are **summary** oriented
- Teachers were burdened with **heavy paper work**; inaccessible geographical area made data collection and distribution difficult
- Dantewada is a **malaria endemic area** with API > 56 (Normal is 4)
 - Health profile and growth chart of every child is essential
- Need for **transparent** functioning of schools to make them accountable to people
- **Remedial education** is as important as class-wise achievement levels

How it works?



Mobile application and web portal



- Mobile application used by teachers/Headmasters/Cluster coordinators/ District officials
- To **collect data** related to learning and health outcomes
- Works also in **offline mode** as maximum number of schools are out of mobile network coverage
- **Reports** can also be seen from the app



www.padhedantewada.com

Student wise/school wise/block wise/ district wise reports are available here
Teachers are **more accountable** to parents/ PRIs/media and public



MOST OF THE
SCHOOL
CHILDREN ARE
**FIRST GENERATION
SCHOOL GOERS**



CHILDREN'S
MOTHER TONGUE
IS **GONDI** AND
HALBI; MEDIUM
OF INSTRUCTION IS
HINDI



**ONLY 12% OF
GEOGRAPHICAL
AREA IS COVERED
WITH MOBILE
NETWORK**



TEACHERS ARE
USED TO **PAPER
BASED
DOCUMENTATION**



AS THIS PROGRAM
IS INCREASING
TRANSPARENCY,
TEACHERS AND
TEACHER UNIONS
WERE HESITANT TO
ADOPT THE NEW
SYSTEM

Implementation Challenges

Teaching learning material in local tribal dialects – Gondi & Halbi

दवनागरा साखन हतु वणमाला चाट (गाण्डा)

अ अरं गण्डा	आ आक पता	इ इता इमली	ई ईरु महुआ	उ उप्पे घूहा	ऊ ऊत बटेर	ऋ ऋमा नीव
ए एणुल ककुआ	ऐ ऐण पांच	ओ ओडा नाब	औ औकमा हत्या मत करो	अं अं पापी	अः	
क कमा लोटा	ख खटुन खटिया	ग गदम अवडा	घ घटी घटी	ङ		
च चडा चना	छ छता छता	ज जता चकी	झ झता तिना झता	ञ		
ट टक मुलसी	ठ ठा ठडा	ड डमा संतरा	ढ ढेल मानदर	ण		
त तडा तिर	थ थारी कादी	द दम दिया	ध धुलत धुलत	न नव कुवा		
प पद पुजर	फ फर फरता	ब बरे भेत	भ भूत भरती	म मल मोर		
य यावो या	र रान जंगल	ल लेज बट्टा	व वंग टमाटर	श शाकर शाकर		
ष षकोष षकोष	स सादी सादी	ह हाट बाजार	क्ष	त्र त्रिशूल त्रिशूल	ज्ञ	इ
					ढ	श्र

• गिनती सीखें •

• ओंङ	१ एक	१ वन
•• रेंड	२ दो	२ दू
••• मूंङ	३ तीन	३ थी
••• नालू	४ चार	४ फोर
••• ऐंग	५ पांच	५ फाईव
••• आरु	६ छः	६ सिक्स
••• सात	७ सात	७ सेवेन
••• आठ	८ आठ	८ ऐट
••• नव	९ नौ	९ नाइन
••• दस	१० दस	१० टेन

सर्व शिक्षा अभियान
एक पढ़े सब पढ़ें

"सर्व शिक्षा अभियान" कमीन मांभी शिक्षा मिशन चित्त - उचितता जगत जेनेवाडा (स ग)

Strategies in Gram Shiksha Samiti

- Sarpach signature on teachers' pay data is mandatory in Chhattisgarh
- Earlier shiksha samitis usually used to discuss about physical infrastructure in schools – now discussion revolves around learning levels – readily available student wise data available with Gram Shiksha Samiti
- Strengthens the Dr. A.P.J Abdul Kalam Gunavatta Abhiyan run by C.G. state



Meetings of Gram Siksha Samiti at Villages Katekalyan & Ghotpal

Stakeholder Development



District Summary Report



District: Dantewada

Class	Total Students (In Record)	Total Students (Calculated)	Hindi	BaseLine Exam					MidLine Exam					EndLine Exam					मध्य जांच 2		
				Total	कहानी	अनुच्छेद	शब्द	अक्षर	Total	कहानी	अनुच्छेद	शब्द	अक्षर	Total	कहानी	अनुच्छेद	शब्द	अक्षर	Total	कहानी	अनुच्छेद
Class III	5205	5185		4404	195	437	1170	2602	4566	422	839	1563	1742	4516	1144	1271	1514	587	4314	646	1110
Class IV	4626	4504		3978	393	741	1184	1660	4062	735	1109	1281	937	3995	1615	1053	963	364	3869	1125	1072
Class V	4168	4066		3624	607	843	1118	1056	3687	1044	1066	1002	575	3619	1751	961	707	200	3537	1409	998
Class VI	3565	3544		3238	886	1020	794	537	3207	1274	977	696	260	3203	1947	840	340	76	3147	1622	873
Class VII	3328	3320		2954	1095	944	614	301	3009	1508	855	495	151	2971	2031	634	262	44	2858	1734	701
Class VIII	3100	3095		2818	1210	895	496	217	2817	1609	759	370	79	2834	2202	442	159	31	2732	1835	615
Total	23992	23714		21016	4386	4880	5376	6373	21348	6592	5605	5407	3744	21138	10690	5201	3945	1302	20457	8371	5369






School-wise Sample Learning Outcome Report



PDLD



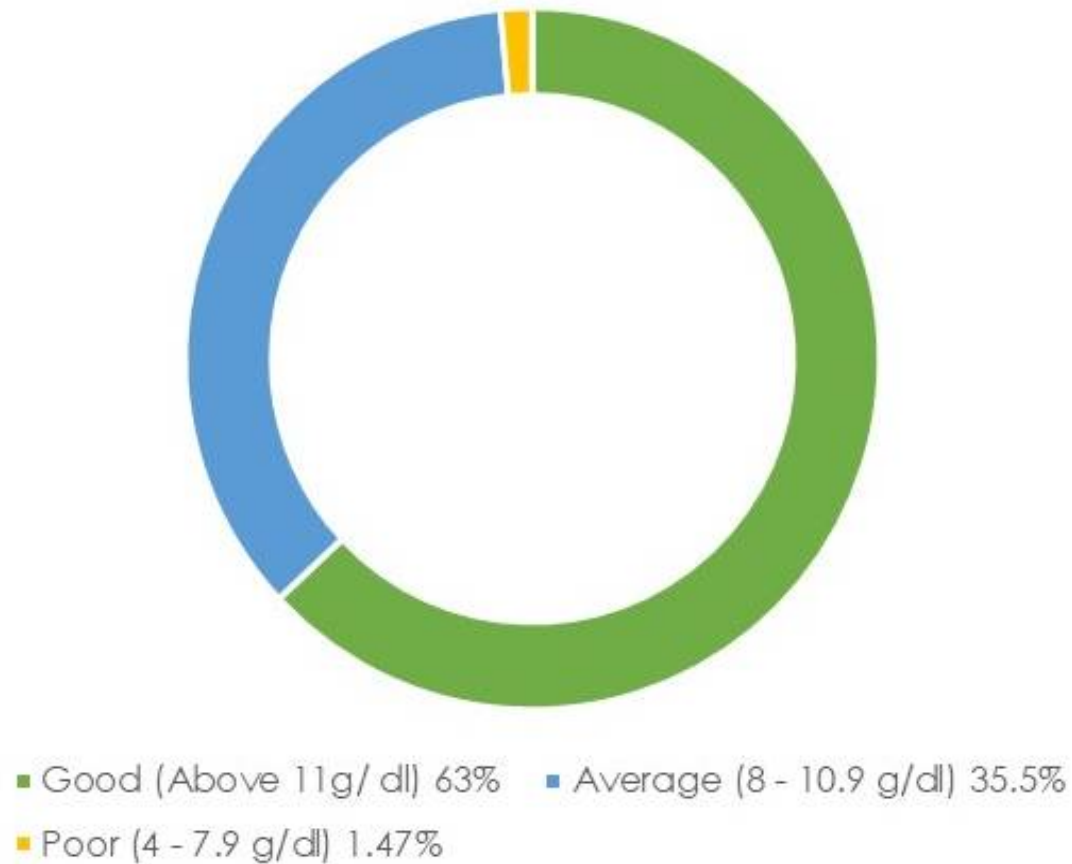
22162209702 - GOVT NAVIN UPPER PRIMARY JAMPARA GAMAWADA

Name	Father's Name	Mother's Name	Photo	BaseLine Exam		MidLine Exam		EndLine Exam	
				Hindi	Maths	Hindi	Maths	Hindi	Maths
कुण विनिता	श्री लच्छु	मनकी		C	B	C	B	B	B
कुणरानी	श्री रामलाल	शांति		C	B	C	B	B	B
सुनिता	श्री सुदरूराम	हुंगी		B	B	C	B	B	B
आसमती	श्री लक्ष्मण	रामे		C	B	C	C	B	B
लक्ष्मी	राजु	सुक्को		B	B	C	B	B	B

Outcomes : Special focus on children with low **HB** **levels**

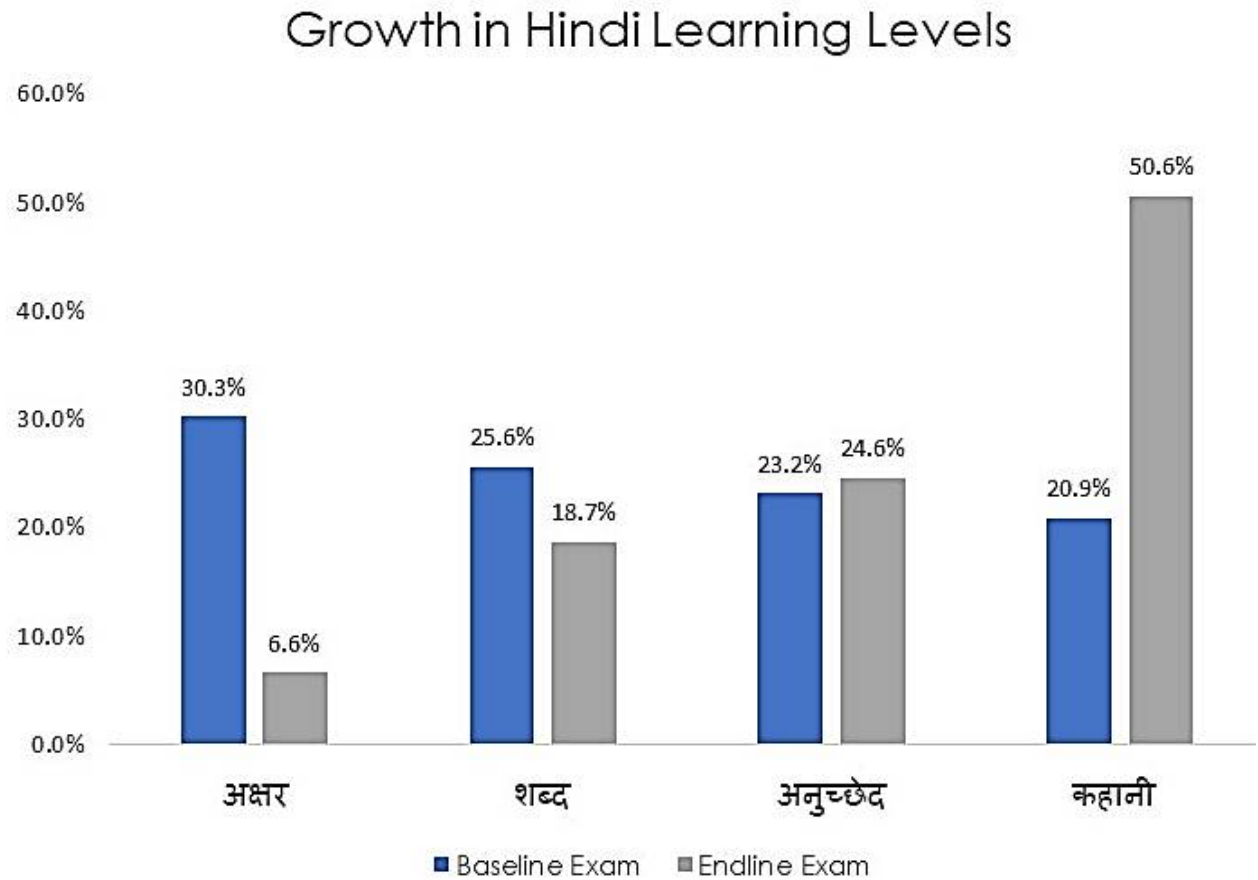
- Three extremely critical students identified and referred to higher centres
- Special diet charts implemented for students with poor and average Hb. levels

Hb. Levels amongst school students



Outcomes : Growth in Hindi learning levels

- Initially only 20.9% students were able to read Hindi
- Now it is 50.6%
- Assessed by Pratham in their independent study*



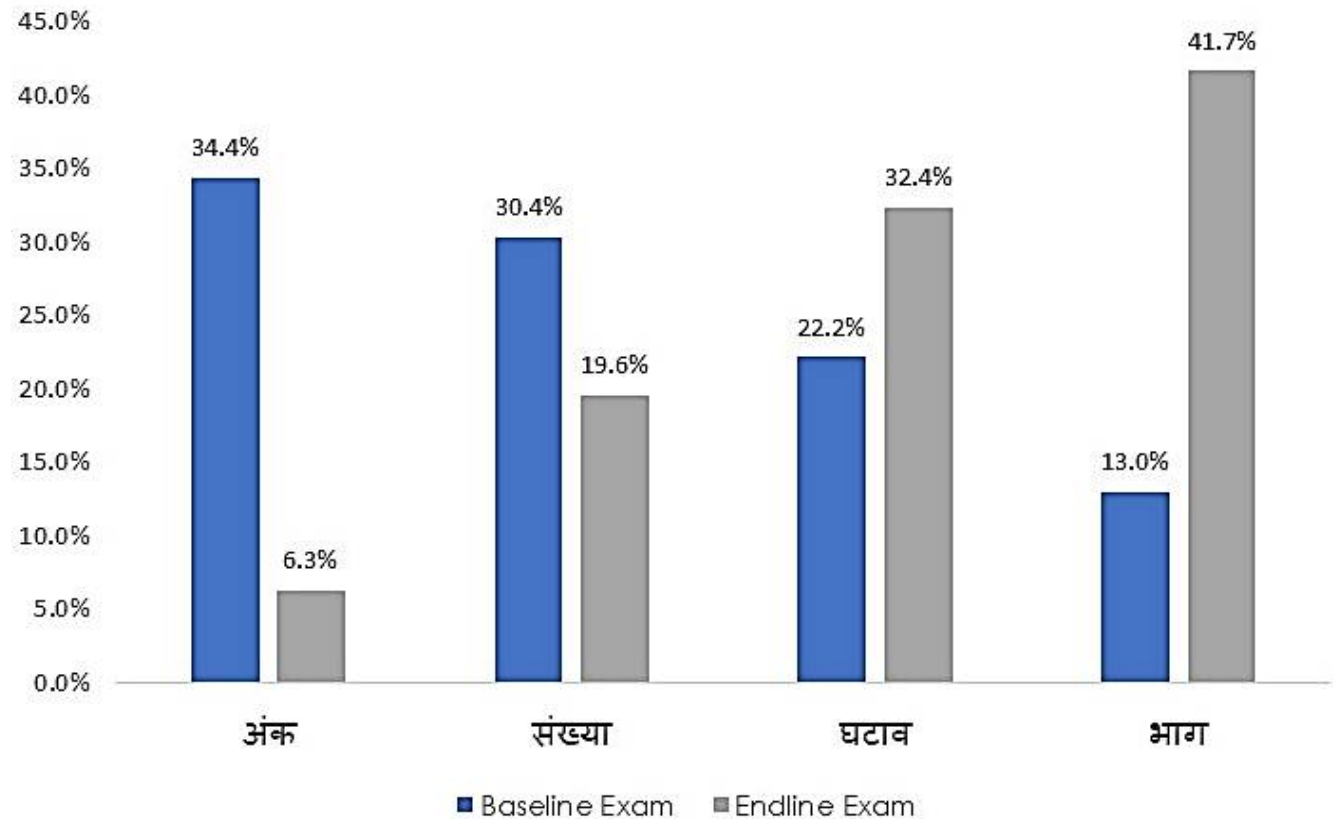
* Full report on www.dantewada.gov.in

Outcomes : Growth in Maths learning levels

- Despite high growth rate, achievement is only 41.7%
- Results are expected to improve this year

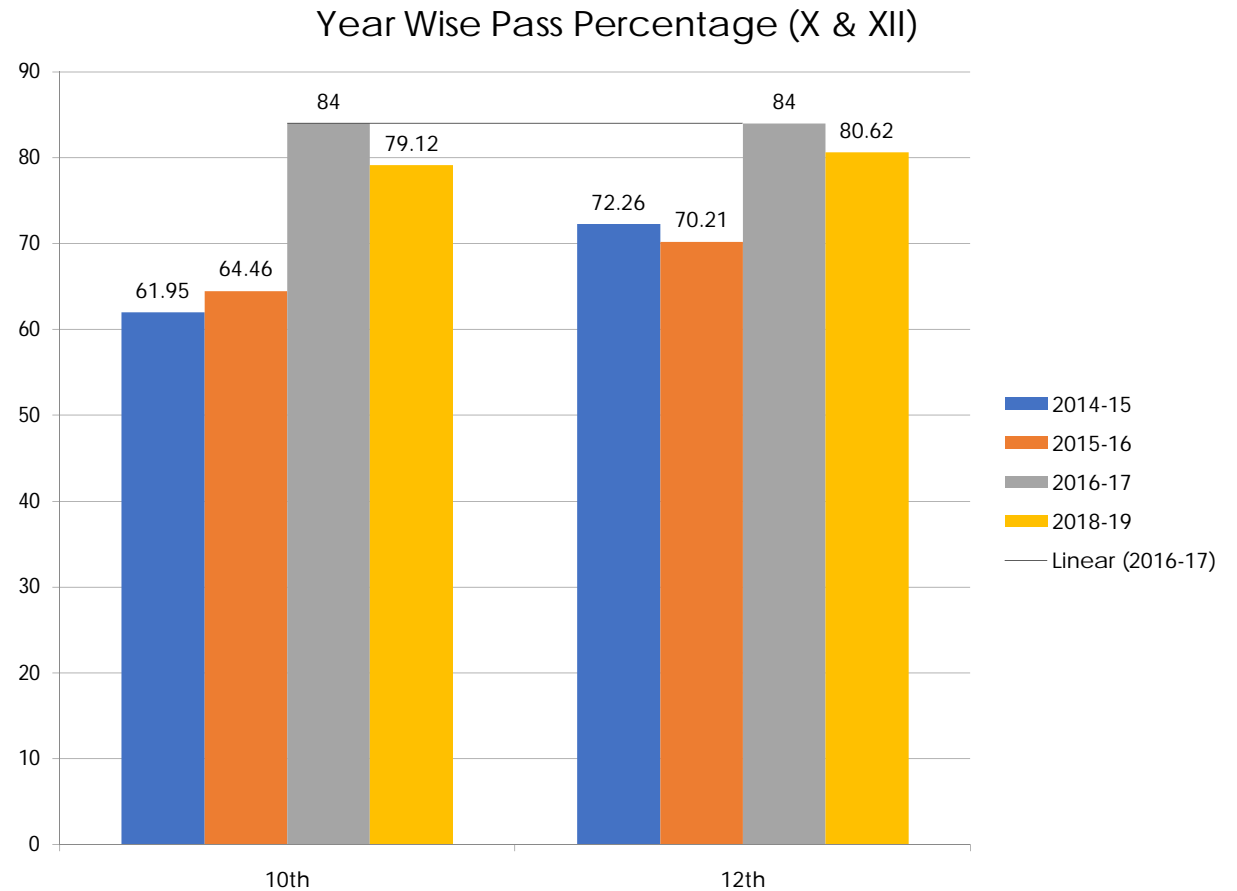


Growth in Maths Learning Levels

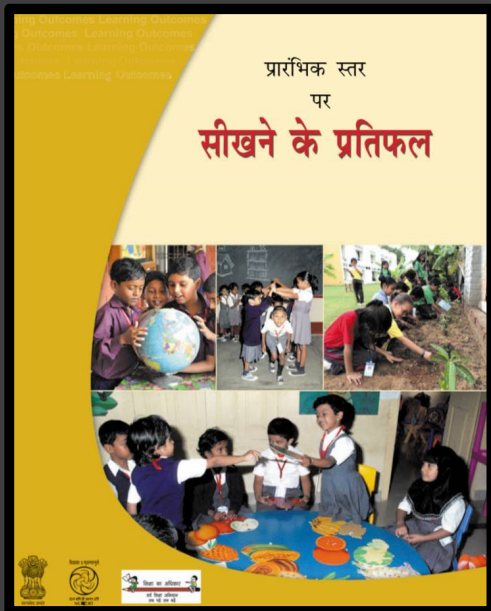


Outcomes : State highest pass percentage in 10th board exams

- With pass percentage 84%, Dantewada has created a benchmark for other districts in 2016-17
- Earlier Dantewada used to be a continuously low performing district, since last two years has been consistently amongst top 5 districts in the state



Way Forward: Shifting from remedial classes to **learning outcomes**



- Focus was earlier on providing remedial education to slow learners
- From this academic year, focus is on acquiring age appropriate skill sets
- MHRD has prescribed class and subject appropriate skills from class 1 to class 8
- Student's performance is based on number of skills acquired/total number of skills
- SCERT has revised textbooks as per new LOs
- Annual academic and assessment calendars have been prepared for the district by core team of teachers

Way Forward: Community engagement

- Orientation of Sarpanches and PRI members towards focus on learning outcomes
- Separate login for members of SMC (Parent teacher association)
- They are to verify the data independently to avoid data forging by teachers
- Parent friendly school report card to facilitate monthly SMC meeting
- 4 *palak balak sammelans* to be held to involve parents in children's learning process
- Sense of inter-village competition to achieve better enrolment, attendance and learning outcomes

Way Forward: School accreditation



- Inspired by NAAC
- District Institute of Education Training (DIET) is district level accrediting agency
- Additional financial allocations has been made for monitoring
- Schools to be graded on:
 - Student's performance in learning outcomes (60%)
 - Student's attendance (20%)
 - Activeness of School Management Committee (10%)
 - Teacher attendance (10%)
- Accreditation process is completely transparent and automated
 - No human intervention
 - DIET is to verify the data collected

Way Forward: Financial incentives to schools, clusters and GPs

Incentives to be
distributed after every
assessment - 4 times
in a year

#	Grade	Incentive Amount	Number of schools	Total Amount
1	O	30,000	10	3,00,000
2	A+	25,000	15	3,75,000
3	A	20,000	20	4,00,000
4	B+	15,000	25	3,75,000
5	B	10,000	30	3,00,000
Total			100	17,50,000

Sustainability and Replicability

- Citizen charter has been issued across the district
- All details of students and progress reports can be downloaded from www.padhedantewada.com
- Maths/Hindi levels are being regularly monitored by NITI Aayog for 117 Aspirational Districts
- No additional resources required to sustain this project as Mobile app and portal are in place
- Teachers and education functionaries are to use this app – no additional human resources required
- Dantewada's mobile network coverage area is just 12% - if we could do it here, it can be done everywhere
- To fulfil the aims of RTE 2009 we need to start focusing on students outcomes

कार्यालय जिला शिक्षा अधिकारी, जिला दक्षिण बस्तर दन्तेवाड़ा छ.ग.
 फोन नम्बर 07856-25264 ईमेल आईडी - doe.office@dantewada@gmail.com
 क्रमांक/१८१७३ / वि.वि.अ. / लेटर/2017 दन्तेवाड़ा, विजिफ 28/03/2017
 प्रति,

सर्व विकास खण्ड शिक्षा अधिकारी
 विद्यार्थी कक्षा दन्तेवाड़ा/विद्यार्थी/दुआधीवाड़ा/कोरवाला
 जिला दक्षिण बस्तर दन्तेवाड़ा छ.ग.
 विषय- पढ़े दन्तेवाड़ा शिक्षा दन्तेवाड़ा के अनर्गल सिटीजन चार्टर के संबंध में।

उपरोक्त विषयवस्तु लेख है कि आदेशों अर्थात् समस्त प्राथमिक एवं माध्यमिक स्तरों में सिटीजन चार्टर का प्रचार करना है। प्रचार विधिवत है:-

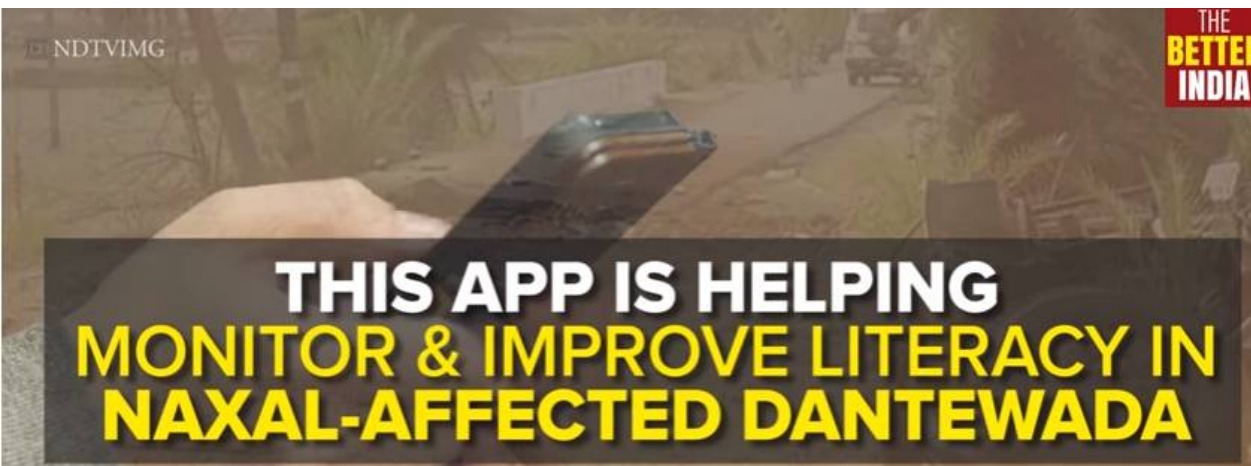
क्रमांक	कार्य	समय
1	पाठकों को अपने बच्चों का प्रति पत्र	15 दिवस
2	उपरोक्त प्रचार	15 दिवस
3	सर्व शिक्षा अभियान रिपोर्ट	15 दिवस
4	विशेष, विकास खण्ड संयुक्त प्रचार रिपोर्ट	15 दिवस

उपरोक्तानुसार कोशिशें करना कि समस्त बच्चों का प्रति पत्र वितरित करें।

विशेष शिक्षा अधिकारी
 जिला दक्षिण बस्तर दन्तेवाड़ा छ.ग.
 दन्तेवाड़ा, विजिफ 28/03/2017

प्रतिनिधि-
 1. कोरवाला, जिला दक्षिण बस्तर दन्तेवाड़ा की खबर सुचारु।
 2. गुलन चर्चामाल अभियान शिक्षा विकास दक्षिण बस्तर दन्तेवाड़ा की ओर खबर सुचारु।

विशेष शिक्षा अधिकारी
 जिला दक्षिण बस्तर दन्तेवाड़ा छ.ग.



Home | Chhattisgarh | Raipur | News | बच्चों का शैक्षणिक स्तर मोबाइल एप में, दंतेवाड़ा को मिला ई-गवर्नेंस अवार्ड

बच्चों का शैक्षणिक स्तर मोबाइल एप में, दंतेवाड़ा को मिला ई-गवर्नेंस अवार्ड

EDUCATION

How Dantewada is improving learning outcomes of 38000+ government-school students with a low-cost yet effective method

Sindhu MV posted on 27th June 2018

Printed from
THE TIMES OF INDIA

How this app is helping students in Naxal-affected Dantewada

TNN | Aug 18, 2016, 12:11 PM IST



RAIPUR: Insurgency-hit tribal district Dantewada that lacks proper mobile network connectivity, has managed to establish an online monitoring system "Padhe Dantewada" (PDI D). to improve basics

What people are saying....

THE NEW INDIAN EXPRESS
Sunday, January 28, 2018

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Chhattisgarh's Maoist-affected Dantewada overtakes urban counterparts with 80 per cent pass percentage

By Ejaz Kaiser | Express News Service | Published: 22nd April 2017 07:54 PM | Last Updated: 22nd April 2017 07:57 PM | A+ A- I

RAIPUR: Tribal students inhabiting Dantewada, the worst Maoist-affected district in south Chhattisgarh, have made their presence felt in the high school board examination results with the pass percentage crossing the 80 per cent mark for the first time. Chhattisgarh's overall pass percentage was 61 %.

Dantewada, where left-wing extremists had demolished a maximum number of schools during the last decade and a half, has improved its previous year's result of 64 per cent.

The district with 80.70 pass percentage emerged as the best performing district in the board exam. Girls performed marginally better than boys with their pass percentage at 81.57 and 79.83

Latest

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- Documentary on Kailash Satyarthi wins at Sundance
- First ever Jallikattu held in Coimbatore
- Thane building collapse: Main witness says had warned authorities
- Women commandoes deployed for anti-naxal ops
- Tripura polls: BJP announces 6 more candidates

Videos

Thank You

