



Pakistan Institute of Education (PIE)

**Lead Organization on Quantitative and Quality Data &
Assessment in Pakistan**

March 7, 2023

PIE – Rationale for Establishment

- Gaps in data quality, data integration system and standardization
- Gaps in education research to support evidenced-based decision making
- Challenges in responding to the developments in education sector
- Timely reporting against SDG-4,
- Tracking and mainstreaming of Out-of-school children (OOSC)
- Article-25-A deliberations, tracking dropout rates etc.
- Challenges in improved National Achievement Test (Assessments)
- These gaps/challenges demand for a structured Education Data Information Management System, National Assessment and Evidence base Research
- Accordingly, PIE is envisioned to work on education data integration and quality in collaboration with provinces

PIE – Evolution and Functions

➤ Evolution of PIE

- IRC provided recommendations regarding merger of AEPAM & NEAS to form PIE
- PIE has been notified as Executive/Attached Department of MoFE&PT
- Interim transfer of recurring budget/staff of NEAS/AEPAM in PIE
- Inter-Ministerial consultations are under-way to finalize key functions, structure and HR of PIE
- After endorsement of Establishment and Finance division PIE will be fully functional

➤ Key Functions

- Centre of Excellence to support MoFE&PT for Policy and Plans' formulation
- Central education stats repository for quantitative and qualitative data
- Data analysis on sector plans and global obligations e.g. SDGs
- Act as think tank in education, assessment standards and learning outcomes
- Conduct basic and applied research on various aspects
- Enhance the capacity building of data producers

Functions of NAW

Inform Stakeholders:

About the strengths and weaknesses of the education system (Policy makers, Curriculum developers, Text book writers, Teacher trainers etc.)

Monitor Curriculum Standards:

Students are assessed according to the learning outcomes of the national curriculum and identify strong and weak areas of the students' learning with reference to curriculum.

Identify Correlates of Achievement:

Achievements of the students correlate with the background factors.

Direct Teachers' Efforts and Raise Students' Achievement Level:

To assess the performance of teachers by relating it to the learning achievements of the students.

SCORE OF NAT SINCE 2005

Grade 4 (NAT) Score 0-1000 Mean Score =500

Year	Urdu	Urdu (Reading)	Urdu (Writing)	Mathematics	Science	Social Studies	English (Reading)	English (Writing)
2005	369	-	-	421	-	-	-	-
2006	382	-	-	404	467	496	-	-
2008	-	377	498	369	-	-	-	-
2014	-	-	-	-	433	-	494	290
2017	-	485	489	484	-	-	-	-

SCORE OF NAT SINCE 2005

Grade 8 (NAT) Score 0-1000 Mean Score = 500

Year	Urdu	Urdu (Reading)	Urdu (Writing)	Mathematics	Science	Social Studies	English (Reading)	English (Writing)
2007	512	-	-	457	-	-	-	-
2008	-	-	-	-	467	516	-	-
2014	-	526	384	461	-	-	-	-
2017	-	-	-	-	478	-	488	497



TIMSS Study 2019 Flashback on SDG-4

- Approximately one-third of children in Pakistan reported having access to preprimary education
- In primary education, approximately 25% of the students achieved minimum proficiency level in mathematics and only approximately 20% in natural sciences
- In terms of Gender Parity, fewer girls had access to school compared to boys (parity index 45/55).
- While boys and girls attained similar performance in mathematics, girls outperform boys in natural sciences. The goal of providing safe, non-violent learning environments can be informed by the fact that near 1 in 5 students reported being bullied every week
- Regarding the supply of qualified teachers, approximately one-third of the students were taught by a teacher who have the minimum required qualification of a bachelor degree (SDG 4.c.1).
- Over 80% of the fourth-graders were taught by teachers who received in-service training in the last two years

DARE Program Support: SUMMARY OF PROGRAM



Development Objective:

Improve sector coordination and management through building the technical and operational capacity of Federal and Provincial education governments.

The grant focuses on education data-systems' strengthening for improved evidence-based policy and decision making. It includes data standardization and improved student learning assessment systems across the country, as well as building system capacity to use data.

Grant total: \$10 million

Implementation period:
July 2020- February 2024

Expected Impact:

Strengthened education data management system, better integration and coordination mechanisms between the federal and provincial units data and assessment units

Structure:

Component 1:

Strengthen Provincial-Federal Data Management Processes

Component 2:

Enhance sector level coordination and cooperation through learning assessment and data

Component 3:


Improve Sector Level Monitoring, Evaluation, and Decision Making

DARE: PROGRESS TO DATE

	DARE Activity / Process	TA Partner	Progress Status
1	Policy Linking Toolkit to the National Assessment Test (NAT) of Pakistan	American Institutes for Research (AIR)	<ul style="list-style-type: none"> • Three serial training workshops completed for NAW (Assessment Section of PIE) and staff from Provinces and Areas, this included one capacity building w/shop and two policy linking workshops • Knowledge dissemination session and orientation for new PIE staff completed • Policy Linking of the last NAT (NAT 2019) completed and final report in process.
2	Technical Assistance to the PIE Assessment wing (NEAS)	American Institutes for Research (AIR)	<ul style="list-style-type: none"> • Technical Needs Assessment Report completed and shared • Knowledge dissemination session and orientation for new PIE staff completed
3	Technical Assistance for the Improvement of the National Assessment Test (NAT)	Cambridge Partnership for Education (CPE)	<ul style="list-style-type: none"> • On government's decision, the next NAT is scheduled for May 2023. Based on the needs analysis and test structures proposed from TA to NEAS by AIR, preparations are underway to improve test items, pilot tools and have NAW staff ready for implementation • Assistance in test item process for NAT 2023 for improvements • 5-day in person training workshop completed in December 2022 for PIE and staff from Provinces and Areas to review and improve NAT 2023 test items • 2-day capacity assessment sessions and future capacity improvement discussions PIE



PIE as Think Tank Policy Institute

- **Constitution of Research Advisory Group (RAG)**
 - **Selection of Key Thematic Areas for deep dive Research**
 - **Collaboration with Bi-lateral and Multilateral Development partners**
 - **Collaboration with Academia and Research Institutions for Conduct of Research**
 - **Collaboration with Provincial/Area Govts for sharing and dissemination of Research**
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THANKS