

India : Gujarat Education Infrastructure and Technology Modernization Program

1. Project Information

Project ID:	P000479	Instrument ID:	L0479A
Member:	India	Region:	Southern Asia
Sector:	Education Infrastructure	Sub-sector:	N/A
Instrument type:	<input checked="" type="checkbox"/> Loan:250.00 US Dollar million <input type="checkbox"/> Guarantee	Lead Co-financier(s):	World Bank
ES category:	B	Borrowing Entity:	Ministry of Finance, India
Implementing Entity:	Government of India		
Project Team Leader:	Pratyush Mishra		
Responsible DG:	Hun Kim		
Responsible Department:	SID		
Project Team Members:	Christopher Damandl, Project Counsel; Shodi Nazarov, OSD - Financial Management Specialist; Rabindra Shah, OSD - Procurement Specialist; Parthapriya Ghosh, OSD - Environment & Social Development Specialist; Hari Bhaskar, Back-up PTL; Zhaojing Mu, Project admin		
Completed Site Visits by AIIB:	Sep, 2022 Joint Review Mission with the World Bank Apr, 2023 Joint review mission with the World Bank		
Planned Site Visits by AIIB:			
Current Red Flags Assigned:	0		
Current Monitoring Regime:	Regular Monitoring		
Previous Red Flags Assigned:	0		
Previous Red Flags Assigned Date:	2022/12		

2. Project Summary and Objectives

The objective of the program is to upgrade school infrastructure and help create an international-standard learning environment based on green and disaster-resilient architectural designs, while supporting acceleration of learning by strengthening decentralized management for improved education outcomes in Gujarat.

The program, co-financed with the World Bank (WB) (and referred to by WB as the Gujarat Outcomes for Accelerated Learning [GOAL] Program), will implement comprehensive reforms in the education sector based on a decentralized stakeholder-owned planning and management approach.

The program will upgrade the physical learning environment as well as digital infrastructure of participating schools. The program investments will also finance soft activities which will ensure the efficiency of the upgraded school infrastructure to bring the intended educational outcomes.

3. Key Dates

Approval:	Dec. 16, 2021	Signing:	Jan. 07, 2022
Effective:	May. 31, 2022	Restructured (if any):	
Orig. Closing:	Sep. 30, 2027	Rev. Closing (if any):	

4. Disbursement Summary (USD million)

Contract Awarded:		Cancellation (if any):	0.00
Disbursed:	94.61	Most recent disbursement (amount/date):	8.00/Mar. 10, 2023
Undisbursed:	155.40	Disbursement Ratio (%) ¹ :	37.84

5. Project Implementation Update

In-depth implementation has been undertaken in key results areas with strong state ownership of program design. Institutional mechanisms for implementation are well-embedded in government systems. The progress has been good in terms of results achievement, strong evidence-based, data-driven institutional and monitoring systems are in place.

Substantial financial commitments have been made under the Program. Civil work has been awarded for around INR 1756.55 crores (US\$ 215 million). Work orders have been issued for installing 5,909 computer labs in 5,750 schools and 1,426 labs have been installed in 1,392 schools. 19,750 tech-enabled smart classrooms have been installed at 5,100 schools and work orders have been issued for another 49,146 smart classrooms in 14,773 more schools..

In respect of E&S aspects, it is noted that out of five PAPs, 3 are completed or are on track while the remaining two are partially completed (work underway) and need to be prioritized. These are (a) special efforts to be planned for addressing language related issues, infrastructure related gaps, teacher's capacity to enhance overall learning outcomes for tribal population based on conducting the need assessment in tribal areas; and (b) strengthen waste management system, including segregation at source and management (includes waste from kitchen/mess laboratories, and e-waste).

The overall E&S performance continues to be 'Satisfactory'.

Based on the site visits, a few suggestions that could be considered going forward include: (i) the toilets doors are heavy for small children, for which sturdy but lighter specifications should be explored; (ii) the need for creation of a green pathway (lined avenue plantation) from the main building blocks to toilets can help when small children move in hot weather; (iii) a railing/support and small steps on the sides of the amphitheater can help make it more user friendly (especially for small children); (iv) sustainability/maintenance arrangements (resources as well as systems) for regular upkeep of the infrastructure may be created.

¹ Disbursement Ratio is defined as the volume (e.g. the dollar amount) of total disbursed amount as a percentage of the net committed volume.

Components	Physical Progress	Environmental & Social Compliance	Procurement
Results Area 1: Decentralized Planning Systems Institutionalized.	In partnership with the state level planning institute, the Institute for Rural Management – Anand (IRMA), the state has completed the training of the State Implementation Society, all 33 district planning teams as well as 31,154 SMCs (over 70 percent of the total) on strengthening decentralized evidence-based planning and budgeting processes from the school (SDPs) till the state levels (AWPBs). This results achievement and coverage of SMC trainings (related to DLI 1) are under verification.	N/A	N/A
Results Area 2: Improved Foundational Learning Outcomes at the Lower Primary Level.	As per the Summative Assessment Test (SAT) conducted by the state towards the end of the academic year 2021-22, 47.22 percent of Grade 4 students meet its benchmarks for grade-level language proficiency. With the aim of improving the quality of foundational learning required to bring more students to a level that is at or above grade-level proficiency, the state has initiated a three-pronged strategy: (a) More than 48,000 Grade 1 and 2 teachers have been provided with a basic orientation on foundational learning aligned with the National Initiative for Proficiency in Reading with Understanding and Numeracy (NIPUN)	N/A	N/A

	<p>Bharat initiative of the Gol. The National Initiative for School Heads' and Teachers' Holistic Advancement (NISHTHA) 3.0 training developed by the National Council of Education Research and Training (NCERT) and rolled out through Gol's Digital Infrastructure for Knowledge Sharing (DIKSHA) learning management platform has been leveraged for this in-service training; (b) more than 7,750 (i.e. over 40 percent) of teachers from schools with a co-located anganwadi have been provided with training under the state's school readiness program (Shala Tatparta) to provide timely support to children entering primary schooling with inadequate Early Childhood Education (ECE); and (c) gradual/phased introduction of one year of preschool (for five to six-year-old children) education, is being planned, across all government managed schools offering primary education. The rollout of the one-year preschool initiative is currently awaiting administrative/policy approvals.</p>		
Results Area 3: Strengthened Teacher Development and School-Based Assessments for Classroom Performance.	<p>There has been notable progress on professional development of teachers to boost classroom performance. Based on the needs assessments undertaken by the GCERT, over 20 percent</p>	N/A	N/A

	<p>of teachers from Grades 3 to 8 received subject-wise capacity building on effective skills for teaching (Year 2 Target of DLI 4 – achievement is currently under verification), structured around 180 learning hard spots identified through the school-based student learning achievement surveys – Periodic and Summative Assessment Tests (PATs and SATs). Training modules were prepared by the State Resource Group (SRG). The state plans to complete the second teacher training needs assessment and aims to reduce grade level learning hard spots identified through needs assessment by 5 percent by March 2024 (Year 3 Target of DLI 4).</p>		
<p>Results Area 4: Improved Learning Environment in Schools.</p>	<p>Till date, 600 schools have received renovations, 170 schools, additionally, received ICT labs, and 4,900 schools received smart classrooms.</p> <p>The operationalization of five new District Institutes of Education and Training (DIETs), in unserved areas, is still in the design phase. The model design approved by WB/AIIB earlier was implemented in three sites; for two DIETs in Tapi and Morbi districts, the model architectural design required site-specific adaptations. The GoG's Program Management Unit (PMU) plans to move to the tendering phase</p>	<p>E&S screening has been completed for new schools/DIET buildings proposed under the Program</p>	<p>Tendering is in progress for learning environment enhancements in 5,600 schools, which were identified based on a gap analysis. Of these, work orders have already been sent for 2,800 schools. More tendering is planned over the next six months.</p>

	after all five DIET designs are ready.		
Results Area 5: Resilient Recovery from COVID-19.	The GoG has moved onwards from the targets of the initial two post COVID-years of providing home-based learning materials/ workbooks designed to enable remedial support for reducing learning deficiencies. The state has started focused training of decentralized education functionaries/ personnel trained on emergency response strategies for systemic resilience to facilitate enhanced capacities on digital competencies and emergency response strategies. More than 80 percent (1,10,000+) teacher educators have been trained on digital competencies; 33 district planning units and 31,100+ schools have been trained on emergency response strategies in March 2023 under the partnership with Gujarat Institute of Disaster Management.	N/A	N/A

Financial Management:

A budget provision of INR 1188.32 crores (US\$146 million) was made for the state's SoE program for FY 2022-23. The amount of INR859 crore was incurred during the year 2022-23. The Program will use the Public Financial Management System (PFMS) for the transfer of funds from GCSE to district-level units, block and cluster resource centers (BRCs, CRCs), and school management committees (SMCs). Registration of the GOAL Program as a scheme on PFMS is still pending. A single nodal account (parent account) has been opened by GCSE at the state level for the GOAL Program. Zero-balance child accounts linked to the parent account have been opened at the level of all districts, blocks, and clusters. The state has submitted the first internal audit report of the Program for the period ending March 31, 2022, and the same is under review. The external audit report for the Program was received after considerable delay. Further, the report does not contain the expenditure mapped under Samagra Shiksha, apart from the one specifically captured under GOAL. It was agreed that the auditor would revise the

audit report and the state would share a revised report with WB/AIIB covering total program expenditure. As AIIB funds were disbursed in FY2022-23, the audit will not cover AIIB's financing. Therefore, the first external audit of Financial Statements covering AIIB financing will be for the fiscal year ending March 31, 2023 and due on December 31, 2023.

6. Status of the Grievance Redress Mechanism (GRM)

Under the Right to Education Act 2009, the Government of Gujarat has authorized local authorities to perform the grievance redress mechanism function. The system also specifies the type of grievance, the authority charged responsibility for addressing grievances, maximum time allowed for addressing the grievance, the appellate authority and time allowed for grievance redress by the appellate authority. The type of grievance and related redress authority, time limits and appellate authority varies and is structured in a matrix form.

7. Results Monitoring (please refer to the full RMF, which can be found on the last page of this PIMR)

Progress of achievement of indicators is satisfactory.

Remarks:

Project Objective Indicators	Indicator level	Unit of Measure	Cumulative Target Values																	Frequency	Responsibility	Comments	
			Baseline		2021		2022		2023		2024		2025		2026		End Target						
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year				Target
Decentralized planning systems institutionalized	Project	Text	2021	Limited use of Annual Work Plans and Budgets (AWPBs) based on data and process-based discussions with key stakeholders			17 District Planning Teams trained by a National/State Planning Institute on AWPB creation that includes partnerships with non-government organizations (NGOs)/non state actors	State Implementation Society trained by a National/State Planning Institute for overseeing the planning and appraisal outcome based AWPB	An additional 16 District Planning Teams trained by a National/State Planning Institute on AWPB creation that includes partnerships with NGOs/non state actors	An additional 16 District Planning Teams trained by a National/State Planning Institute on AWPB creation that includes partnerships with NGOs/non state actors.	Five district AWPBs approved, and show at least 75 percent utilization of funds sanctioned against Annual Work Plans and Budgets			NA			An additional five district AWPBs approved, and show at least 75 percent utilization of funds sanctioned against Annual Work Plans and Budgets	2027	An additional five district AWPBs approved, and show at least 75 percent utilization of funds sanctioned against Annual Work Plans and Budgets		Annual (Except Year 4)	Department of Education, Government of Gujarat	
Improved school quality through performance evaluation and incentives	Project	Text	2021	State proposes to institute a grading system to evaluate and incentivize school performance			30 schools move to Lighthouse status based on agreed selection criteria	Performance based grants mechanism with school selection process prepared and cleared	30 additional schools move to Lighthouse status based on agreed selection criteria and 30 schools from Year 1 maintain Lighthouse status	35 additional schools, including at least 5 schools in Priority Districts, move to Lighthouse status based on agreed selection criteria and 30 schools from Year 1 maintain Lighthouse status.	40 additional schools move to Lighthouse status based on agreed selection criteria and 60 schools from Years 1 and 2 maintain Lighthouse status			40 additional schools move to Lighthouse status based on agreed selection criteria and 100 schools from Years 1 to 3 maintain Lighthouse status			50 additional schools move to Lighthouse status based on agreed selection criteria and 140 schools from Years 1 to 4 maintain Lighthouse status	2027	50 additional schools move to Lighthouse status based on agreed selection criteria and all 190 Lighthouse schools from Years 1 to 5 maintain Lighthouse status		Annual	Department of Education, Government of Gujarat	
Improved foundational learning outcomes at the primary level, gender disaggregated	Project	Text	2021	Baseline assessment for foundational learning to be conducted/ established in Year 2			NA	NA	Baseline learning outcomes assessment for Grade 4 language completed	Not yet due	NA			Up to two-percentage-point improvement in percentage of students achieving minimum proficiency in learning outcomes assessment for Grade 4 language			NA	2027	Up to an additional two-percentage-point improvement in percentage of students achieving minimum proficiency in learning outcomes assessment for Grade 4 language		Biennial starting year 2	Department of Education, Government of Gujarat	
Strengthened teacher development for classroom performance	Project	Text	2021	State yet to institute teacher training needs assessments for			First teacher training needs assessment completed, and baseline	First teacher training needs assessment completed, and baseline	NA	NA	Second teacher training needs assessment			NA			NA	2027	Third teacher training needs assessment completed,		Year 1 (to establish baseline) ; and Years 3	Department of Education, Government of Gujarat	

				guiding the customized delivery of teacher professional development			created	created			completed, and grade-level learning hard spots identified through needs assessment reduced by 5 percent							and grade-level learning hard spots identified through needs assessment reduced by an additional 5 percent		and 6 (to track progress)		
Improved learning environment in schools and teacher education institutes	Project	Text	2021	State plans to upgrade the learning environment in 9,000 schools; and complete the construction and operationalization of five District Institutes of Education and Training (DIETs)			(i) Inclusive state strategy for school learning environment development including functional school designs and facilities finalized (ii) Strategy with functional designs and staffing needs finalized to enhance training in five new DIETs	(i) Inclusive state strategy for school learning environment development including functional school designs and facilities finalized; and (ii) Strategy with functional designs and staffing needs finalized to enhance training in 5 new DIETs	Strengthened child-friendly learning environment in 1,500 schools	(i) Inclusive state strategy for school learning environment development including functional school designs and facilities finalized; and (ii) Strategy with functional designs and staffing needs finalized to enhance training in 5 new DIETs	Strengthened child-friendly learning environment in an additional 1,500 schools	(i) Strengthened child-friendly learning environment in an additional 1,500 schools (ii) Construction of superstructure of five DIETs complete with at least 75 percent staff in position in each DIET						2027	(i) Strengthened child-friendly learning environment in an additional 2,000 schools (ii) Construction of five new DIETs completed and facilities made operational with 75 percent staff in position in each DIET	Annual	Department of Education, Government of Gujarat	

Project Intermediate Indicators	Indicator level	Unit of Measure	Cumulative Target Values																	Frequency	Responsibility	Comments
			Baseline		2021		2022		2023		2024		2025		2026		End Target					
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year	Target	Actual			
Results Area 1: Decentralized planning systems institutionalized: Performance grants instituted for schools to incentivize improved outcomes	Project	Text	2021	State yet to institute a mechanism for providing performance-based grants to schools			(i) Performance-based grants mechanism with school selection process prepared and cleared with the World Bank. (ii) 300 schools meet minimum performance criteria as per agreed standards	Performance based grants mechanism with school selection process prepared and cleared	400 additional schools meet minimum performance criteria as per agreed standards	(i) Performance based grants mechanism with school selection process prepared and cleared with the WB; and (ii) 300 schools meet minimum performance criteria as per agreed standards.	400 additional schools meet minimum performance criteria as per agreed standards	500 additional schools meet minimum performance criteria as per agreed standards	500 additional schools meet minimum performance criteria as per agreed standards	500 additional schools meet minimum performance criteria as per agreed standards	500 additional schools meet minimum performance criteria as per agreed standards	500 additional schools meet minimum performance criteria as per agreed standards	2027	500 additional schools meet minimum performance criteria as per agreed standards	Annual	Department of Education, Government of Gujarat		

Results Area (RA) 1: Decentralized planning systems institutionalized: School-level Annual Work Plan and Budgets (AWPBs) enhanced through community participation	Project	Text	2021	Limited capacity of School Management Committees (SMCs) to participate in development of school plans		Modules developed for training of SMCs on process and evidence-based School Development Plans and AWPBs	Limited capacity of SMCs to participate in development of school plans	20 percent of SMCs trained on development of evidence-based School Development Plans and AWPBs	Modules developed for training of SMCs on process and evidencebased SDPs and AWPBs.	An additional 10 percent of SMCs trained on development of evidence-based School Development Plans and AWPBs		An additional 10 percent of SMCs trained on development of evidence-based School Development Plans and AWPBs		NA	NA		Annual (Except Year 6)	Department of Education, Government of Gujarat
RA 2: Improved foundational learning outcomes at the lower primary level: Access to Early Childhood Education (ECE) Programs for preschoolers	Project	Text	2021	State is yet to roll out a model of ECE managed by the Department of Education		(i) Package for training of ECE teachers/facilitators notified. (ii) 30 percent of teachers from schools with collocated Aanganwadis trained to provide academic support in ECE in each of the five selected districts	40 percent of teachers from schools with collocated Aanganwadis trained to provide academic support in ECE in each of the 10 additional selected districts	40 percent of teachers from schools with collocated Aanganwadis trained to provide academic support in ECE in each of the 10 additional selected districts	40 percent of teachers from schools with collocated Aanganwadis trained to provide academic support in ECE in each of the 10 additional selected districts	One year pre-school program rolled out in 1,000 schools		One year pre-school program rolled out in 1,000 additional schools		NA	NA		Annual (Except Years 4 and 6)	Department of Education, Government of Gujarat
RA 2: Improved foundational learning outcomes at the lower primary level: Strengthened state-level learning assessment systems	Project	Text	2021	State planning on establishing an Assessment Cell to focus on management of student learning assessments; state has limited exposure to international-level student assessments		(i) Gujarat Assessment Center (GAC) for managing classroom, state and international level student assessments notified (ii) Partnership established with OECD for conducting PISA-Based Test for Schools	Gujarat Assessment Center (GAC) for managing classroom, state and international level student assessments, notified	Timely completion of baseline Grade 4 learning assessment by the GAC	Gujarat Assessment Center (GAC) for managing classroom, state and international level student assessments, notified	(i) Review of state examinations with time-bound reform action plan completed and report published highlighting proposed reform agenda. (ii) State Assessment Center managed PISA-Based Test for Schools completed		Timely completion of mid-line Grade 4 learning assessment by the GAC		2027	Timely completion of end-line Grade 4 learning assessment by the GAC		Annual	Department of Education, Government of Gujarat
Results Area (RA) 1: Decentralized planning systems institutionalized: District-based planning systems enabled through	Project	Text	2021	Limited capacity for evidence-based planning and appraisal amongst state and district level education functionaries		(i) Stakeholder composition of District Planning Teams created and notified (ii) A state-level unit created and trained by a National/State Planning Institute for overseeing planning and appraisal process	(i) Stakeholder composition of District Planning Teams created and notified; and (ii) A state level unit created and trained by a National/State Planning Institute for overseeing planning and appraisal process	(i) Assessment of governance and public finance bottlenecks (with an emphasis on	(i) Stakeholder composition of District Planning Teams created and notified; and (ii) A state level unit created and trained by a National/State Planning Institute for overseeing planning and appraisal process	Prioritized action plan created to address constraints identified in the governance and public finance		An additional five District AWPBs analyzed and contextualized action plan created (including	An additional five District AWPBs analyzed and contextualized action plan created (including	2027	(i) State-level unit and all District Planning Teams retrained on process based AWPB creation (ii)		Annual	Department of Education, Government of Gujarat

capacity-building support for decentralized education functionaries including school-related gender-based violence (SRGBV) prevention protocols, complaint and referral mechanisms implemented				and no institutional mechanism to identify and address safety/harassment issues experienced by adolescent girls		overseeing planning and appraisal process in districts (iii) Guidelines developed on SRGBV prevention for decentralized education functionaries	in districts	planning and budgeting) for improved service delivery at school level completed (ii) Five District AWPBs analyzed and contextualized action plan created (including SRGBV interventions)	in districts	assessment report		SRGBV interventions (ii) Training modules developed for refresher training of decentralized education functionaries (iii) Establishment and training on the grievance redressment system for SRGBV to relevant stakeholders (teachers, students, administrators and parents)	SRGBV interventions)			At least 15 district AWPBs include a functional SRGBV prevention, reference and redressal mechanism				
RA 3: Strengthened teacher development and school-based assessments for classroom performance: Teacher training and management systems strengthened for performance tracking	Project	Text	2021	Teachers have limited access to opportunities for need-based professional development		(i) State-level agency designated for carrying out periodic teacher training needs assessments. (ii) System created for teachers to record their training needs	State level agency designated for carrying out periodic teacher training needs assessments	20 percent of teachers provided with need-based teacher training	(i) State level agency designated for carrying out periodic teacher training needs assessments; and (ii) System created for teachers to record their training needs	NA		An additional 30 percent of teachers provided with need-based teacher training	An additional 30 percent of teachers provided with need-based teacher training		NA	NA	Annual (Except Years 3 and 6)	Department of Education, Government of Gujarat		
RA 3: Strengthened teacher development and school-based assessments for classroom performance: Quality remedial program based on classroom-based assessments	Project	Text	2021	State is yet to roll out a statewide remedial education program for concurrent identification and correction of learning gaps		Completion of digital device mapping to support statewide rollout of ICT-supported Periodic Assessment Tests (PAT) that provide student, subject and school-wise reports on learning gaps and corresponding remedial education plans	Completion of Digital device mapping to support statewide roll out of Information and Communication Technology (ICT)supported Periodic Assessment Tests (PAT) that provide student, subject and school wise reports on learning gaps and corresponding remedial education plans.	20 percent of schools covered under ICT-supported PAT that provide student-, subject- and school-wise reports on learning gaps and corresponding remedial education plans	Completion of Digital device mapping to support statewide roll out of Information and Communication Technology (ICT)supported Periodic Assessment Tests (PAT) that provide student, subject and school wise reports on learning gaps and corresponding remedial education plans.	NA		An additional 40 percent of schools covered under ICT-supported PAT that provide student-, subject- and school-wise reports on learning gaps and corresponding remedial	NA	2027	An additional 20 percent of schools covered under ICT-supported PAT that provide student-, subject- and school-wise reports on learning gaps and corresponding	Annual (Except Years 3 and 5)	Department of Education, Government of Gujarat			

							reducing learning deficiencies (ii) Baseline assessment to measure COVID-19-related learning loss completed (iii) Classroom and home-based remedial support provided to address learning losses caused by the COVID-19 pandemic		functionaries/ personnel trained on emergency response strategies for systemic resilience	related learning loss completed; and (iii) Classroom and homebased remedial support provided to address learning losses caused by the COVID-19 pandemic	of decentralized education functionaries/ personnel trained on emergency response strategies for systemic resilience	of decentralized education functionaries/ personnel trained on emergency response strategies for systemic resilience		of decentralized education functionaries/ personnel trained on emergency response strategies for systemic resilience		of decentralized education functionaries/ personnel trained on emergency response strategies for systemic resilience				
Students benefiting from direct interventions to enhance learning Students benefiting from direct interventions to enhance learning - Female	Project	Number	2021	7,240,000 3,530,000	7,240,000 3,530,000		7,240,000 3,530,000	7,117,830.00/3,491,590.00	7,240,000 3,530,000	7,117,830.00/3,491,590.00	7,240,000 3,530,000	7,240,000 3,530,000		7,240,000 3,530,000		7,240,000 3,530,000	2027	7,240,000 3,530,000	Annual	Department of Education, Government of Gujarat
Large-scale primary/secondary learning assessments completed	Project	Number	2021	0	-	-	-	-	1	0	1	2		2		2027	3	Every two years	Department of Education, Government of Gujarat	