

NKRA 7: Quality of Education and Skills Improved

Lead Agency: Ministry of Education

Collaborating Agencies: Ministry of Labour and Human Resources, Royal University of Bhutan, Khesar Gyalpo University of Medical Sciences of Bhutan, Royal Civil Service Commission, Royal Institute of Management, Royal Education Council, Bhutan Council for School Examinations and Assessment, Bhutan Olympic Committee, Dzongkha Development Commission

AKRAs	Key Performance Indicators	Description	Units	Baseline (Year)	Baseline	Target	Data Collection Methodology	Data Source	Data Collection Frequency	Responsible Agency
1. Sustainable inclusive quality primary and secondary education enhanced	Students performance in grade VI	The indicator measures the percentage of students who score at least 60 percent in all four subjects (English, Dzongkha, Maths and Science)	Percentage		Baseline to be determined in Dec 2017		Administrative Data	PMS Report/School Ranking Report/ASSL	Annual	EMD/REC
	Survival to grade VI	The indicator measures the percentage of students who enter the first grade of primary education and who are expected to reach grade VI	Percentage	2016	89.5	95	Administrative Data	Annual Education Statistics	Annual	PPD, MoE
	Adjusted Net Enrolment Rate Primary	The indicator measures participation of 6-12 years old children (school going age) in primary education and other structured forms of learning	Percentage	2016	98.6	~ 100	Administrative Data	Annual Education Statistics	Annual	PPD, MoE
	Schools meeting class size targets	The indicator measures porportion of schools with average class size of 24 and less in primary and 30 and less in secondary schools	Percentage	2017	Primary:82 Secondary:49	Primary: 95 Secondary:70	Administrative Data	Annual Education Statistics	Annual	PPD, MoE
	Schools with ideal student computer ratio	The indicator measures proportion of schools with student computer ratio of less than or equal to 1:30 for primary and less than or equal to 1:10 for secondary schools	Percentage	2017	Primary: 8. Secondary:12	Primary:50 Secondary: 80	Administrative Data	Annual Education Statistics, Other Reports	Annual	PPD, MoE
	Girls scoring above 60% in STEM subjects in BCSE examination	Girls scoring above 60% in STEM subjects in BCSE examination. STEM subjects includes Science (Physics, Chemistry and Biology) and Mathematics.	Percentage	2016	25	35	Administrative Data	Pupil Performance Report, Other Reports	Annual	BCSEA
	Schools implementing Standards for Inclusive Education	The indicator measures number of schools using the standards for Inclusive Education to improve access and quality of education for children with disabilities.	Number	2016	0	28	Administrative Data	Annual Report	Annual	DSE, MoE
	Students enroled in Central Schools	The indicator measures porportion of students enrolled in Central Schools.	Percentage	2016	25	70	Administrative Data	Annual Education Statistics	Annual	DSE, MoE
	Schools scoring above 90% on GNH index	The indicator measures percentage of schools scoring above 90% on the GNH index	Percentage	2016	85	~ 100	Administrative Data	School Ranking Report/PMS Report	Annual	DSE, MoE
	Students satisfaction level	The indicator measures percentage of students' overall happiness or satisfaction level with schools/institutes as measured through students satisfaction survey	Percentage	2018		Survey to be conducted in 2018-19 FY	Survey	Survey	3-5 Years	DSE, DAHE, MoE
	Gross Enrolment Ratio Tertiary Education	Total enrolment of tertiary students within and outside Bhutan as a percentage of 19 to 23 years population	Percentage	2016	22	26	Administrative Data	Annual Education Statistics	Annual	DAHE, MoE

2. Access and equitable quality tertiary education enhanced	Gender Parity Index for tertiary education	The indicator measures the ratio of male and female enrolled in tertiary education	Ratio	2016	Within Bhutan: 0.82 Both:0.78	Within Bhutan: 0.90 Both:0.85	Administrative Data	Annual Education Statistics, State of Tertiary Education in Bhutan Report	Annual	DAHE, MoE
	Female students enrolled in STEM courses in TEIs	This indicator measures proportion of female students taking up STEM (Science, Technology, Engineering and Maths) courses at tertiary level in TEIs within Bhutan	Percentage	2016	25	30	Administrative Data	Annual Report	Annual	DAHE, MoE
	Self funded students in public TEIs in the country	The indicator measures proportion of students enrolled in the public TEIs through self funding in the country	Percentage	2016	RUB: 16 KGUMSB:9 RIM: 38 JSW School of Law: NA	RUB:30 KGUMSB:10 RIM: 50 JSW School of Law: 30	Administrative Data	Annual Report	Annual	DAHE, MoE
3. Access to quality training and skills enhanced	Students enrolled in TVET Institutes	The indicator measures proportion of class X graduates enrolled in TVET Institutes	Percentage	2016	10	20	Administrative Data	Annual Report	Annual	DOTe/DOS, MoLHR
	Gender Parity Index in TVET	The indicator measures proportion of male and female enrolled in TVET programme	Percentage	2016	M:65 F: 35	M:60 F: 40	Administrative Data	Annual Report	Annual	DOTe/DOS, MoLHR
	TVET graduates/Skilled workers assessed through BVQF	The indicator measures percentage of public and private TVET graduates and skilled workers assessed through BVQF. The assessment will be carried out for accredited courses and eligible skilled workers through Recognition of Prior Learning (RPL)	Percentage	2016	Public - 90 Pvt. - N/A	Public - 100 Pvt. - 50	Administrative Data	Annual Report	Annual	DOS,MoLHR
	Graduates from public TVET Institutions availing tertiary education	The indicator measures the number of public TVET graduates entering/enrolling in tertiary education courses through education pathways	Number	2016	NA	20	Administrative Data	Annual Report	Annual	DOS/ MoLHR, DAHE/MoE
	Secondary schools offering TVET courses/subject	The indicator measures the number of secondary schools (classes IX to XII) offering TVET courses	Number	2016	5	10	Administrative Data	Annual Education Statistics, Other Reports	Annual	MoE, MoLHR
	Students taking up entrepreneurship subject/business incubation courses at secondary schools/TEIs	The indicator measures percentage of students taking up entrepreneurship courses at schools (class IX to XII)/TEIs	Percentage	2016	Schools:25 TEIs: NA	Schools:30 TEIs: 50	Administrative Data	Annual Report	Annual	REC, DAHE
4. Literacy and numeracy skills of adults enhanced	Adult literacy rate	The indicator measures proportion of the adult population (15 years and above) who can read and write short text in any language	Percentage	2012	55.3	70	Survey	BLSS 2017 PHCB 2017	5 years	NFCED, MoE
	NFE learners completing Basic and Post Literacy course	The indicator measures the percentage of NFE learners completing Post and Basic Literacy course	Percentage		BLC: 92 PLC: 93	BLC:~ 100 PLC:~ 100	Administrative Data	Annual Report	Annual	NFCED, MoE

5. Health and wellbeing of children and youth enhanced	Schools with access to safely managed WASH facilities	The indicator measures percentage of schools with access to safely managed WASH (Water, Sanitation and Hygiene) facilities. It will look at water supply and quality, functionality of toilets and hygiene facilities	Percentage		Functional water Supply: 60 Functional Toilet: 80 Hygiene: 63	Functional water Supply: 80 Functional Toilet: 95 Hygiene: 80	Administrative Data	Annual Education Statistics, Other Reports	Annual	DSE
	Students' suicide death	The indicator measures number of suicide death of students enrolled in schools and institutes in a year	Number	2016	Schools:10 TEIs:1	Schools:0 TEIs:0	Administrative Data	Annual Report	Annual	DYS/DSE/DAHE
	Youth in conflict with law	The indicator measures number of 15-24 years old who come in conflict with law in a year	Number	2016	487	200	Administrative Data	Youth Delinquent Management System	Annual	MoE,RBP
	Youth engaged and empowered with appropriate knowledge, skills, and values	This indicator measures the percentage of youth participating in atleast one engagement/empowerment programmes annually	Percentage	2016	20	35	Administrative Data	Annual Report	Annual	DYS
	Coach to athlete ratio	This indicator measures number of athletes per trained coach. Athletes consists of both students and out of school youth	Ratio	2016	1:10,000	1:7,000	Administrative Data	Annual Report	Annual	BoC
6. Teaching profession enhanced	Teachers' job satisfaction level	The indicator measures percentage of teachers' overall satisfaction with their job as per Teacher's job satisfaction survey	Percentage	2013	68.3	80	Survey	Teacher's job satisfaction survey	3-5 years	DSE
	Schools with 18 hours of contact teaching	The indicator measures percentage of schools with an average of 18 hour or less of contact teaching per week.	Percentage	2016	15	95	Administrative Data	Teacher Requirement Exercise Report	Annual	HRD, MoE
	Adequate number of teachers by subjects	This indicator measures teacher shortage/excess against approved teacher strength by subject as per Teacher Requirement Exercise (TRE)	Number	2016	General: - 600 Dzongkha: - 400 English: + 400 Maths: + 25 General Science: - 250 Business (Eco & Com): + 100 IT: - 200 Counselling: - 100	General: - 80 Dzongkha: 0 English: + 30 Maths: 0 General Science:0 Business (Eco & Com): 0 IT: - 50 Counselling: 0	Administrative Data	Teacher Requirement Exercise Report	Annual	HRD, MoE
	Teacher availing 80 hours of Professional Development (PD)	This indicator measures percentage of teachers who receives a minimum of 40 hrs of PD at national level and 40 hrs of PD at Dzongkhag/Thromde/Cluster/ School level in a year	Percentage	2016	National level:100% Other level: NA	National level:100% Other level: 100%	Administrative Data: Annual	Annual Report	Administrative Data: Annual	TPSD, MoE
	Teachers with Master degree qualification	This indicator measures the percentage of teachers with a master degree qualification	Percentage	2016	13	26	Administrative Data	Annual Education Statistics, Other Reports	Annual	TPSD, MoE
	Teachers meeting the Standards for Teachers	The indicator measures percentage of teachers who are certified as a professional teacher based on the Standards for Teachers	Percentage	2016	Public: NA Private: NA	Public: 80% Private: 60%	Administrative Data	Annual Report	Annual	TPSD, MoE

	Lecturer with relevant level of qualification	The indicator measures percentage of lecturers with the minimum level of qualification in the area they are teaching	Percentage	2016	RUB: (Masters-67; PhD-7) KGUMSB(Masters-82; PhD-1.9) RIM (Masters-57.7; PhD-7.7)	RUB: (Masters-90; PhD-20) KGUMSB(Masters-90; PhD-20) RIM(Masters- 90; PhD-60)	Administrative Data	Annual Report	Annual	DAHE, MoE
7. Quality and relevance of curriculum and assessment system strengthened	Competency Based Assessment in Board Examinations	The indicator measures percentage of BCSE and BHSEC examinations with competency based question items	Percentage	2016	25	50	Administrative Data	Annual Report	Annual	BCSEA
	Digital textbooks created (ICT enriched school curriculum)	The indicator measures the number of interactive digital textbook titles developed and teaching enhanced through the use of multi-media	Number	2016	REC:0	REC: 3	Administrative Data	Annual Report	Annual	REC
	Subjects revised and updated.(Curriculum aligned to the government policies and emerging issues)	The indicator measures the percentage of subjects revised or reformed to align with the national policies, emerging issues and new trends in education.	Percentage	2016	School: 20 RUB:100 KGUMSB:80 RIM:80	School:45 RUB:100 KGUMSB:100 RIM:100	Administrative Data	Annual Report	Annual	REC/DAHE
	Subjects / programmes diversified to meet 21st century needs)	The indicator measures the number of new subjects (for school) and new programmes (for TEVTs and TEIs) diversified	Number	2016	School:4 RUB:19 KGUMSB:12 RIM:1 TVET: 13	School:7 RUB:51 KGUMSB:36 RIM:2 TVET: 30	Administrative Data	Annual Report	Annual	REC/DAHE/DTE
8. Research culture enhanced	Research conducted by school teachers	The indicator measures the number of research project/action research conducted by school teachers	Number	2017	90	2000	Administrative Data	Annual Report	Annual	TPSD, REC
	Peer reviewed research papers published	The indicator measures the number of research papers published by lecturers in peer reviewed journals	Number	2016	RUB:25 KGUMSB:25 RIM:2 JSW School of Law: NA	RUB:500 KGUMSB:100 RIM:7 JSW School of Law: 20	Administrative Data	Report submitted by Individual Institute(s)	Annual	DAHE, MoE
	Postgraduate programmes offered by TEIs	The indicator measures number of postgraduate programmes offered by TEIs	Number	2016	RUB:11 KGUMSB:8 RIM:5 JSW School of Law: NA	RUB:30 KGUMSB:13 RIM:5 JSW School of Law: 3	Administrative Data	Report submitted by Individual Institute(s)	Annual	DAHE, MoE
9. National language promoted through education system	Dzongkha textbooks reviewed and revised based on standardized National Language	The indicator measures the number of Dzongkha text books reviewed/revised based on standardized National Language	Number	2016	NA	10	Administrative Data	Annual Report	Annual	REC/DDC