



# Environmental Monitoring Report

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Project Number: 46166-001  
Annual Report: January 2021 – December 2021  
February 2022

## India: Supporting Human Capital Development in Meghalaya

Prepared by Finance Department, Government of Meghalaya for the Asian Development Bank.

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**Asian Development Bank**

**GOVERNMENT OF MEGHALAYA  
FINANCE DEPARTMENT**

No.FEA(ADB)/PMU/ESG/1/2015/2559,

Dated: Shillong, 16<sup>th</sup> February 2022

From: Shri P. K. Agrahari, IFS  
Secretary to the Govt. of Meghalaya  
Finance Department & Deputy Project Director,  
Supporting Human Capital Development in Meghalaya (SHCDM)

To: Mr. Takeo Konishi,  
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Subject: Loan No. 3033-IND for ADB assisted project "Supporting Human Capital Development in Meghalaya" – Submission of Annual Environment Monitoring Report (EMR) reg.

Recd. 16.2.22  
SFG Log: 4987

Dear Mr. Konishi

In inviting a reference to the subject cited above, I wish to submit herewith the Annual Environment Monitoring Report (EMR) for the period January to December 2021.

This is for your kind information.

Yours faithfully,



(P. K. Agrahari)

Secretary to the Govt. of Meghalaya,  
Finance Department & Deputy Project Director,  
SHCDM

# Environmental Monitoring Report

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Loan Number: 3033 – IND

February 2022

Reporting period: January to December 2021

## IND: Supporting Human Capital Development in Meghalaya

Prepared by : The Department of Finance, Government of Meghalaya

Implementing Agency : Public Works Department (Buildings), Government of Meghalaya

This Environmental Monitoring report has been submitted to ADB by the Department of Finance, Government of Meghalaya and is made publicly available in accordance with ADB's Public Communications Policy (2011). It does not necessarily reflect the views of ADB.

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## TABLE OF CONTENTS

Chapter	Contents	Page No.
	Abbreviation	4
1	Introduction	5
A	Project Background and Objective	5
B	Project progress status during the reporting period	8
2	Compliance status with National /State /Local statutory environmental requirements	15
3	Compliance status with the environmental covenants as stipulated in the Loan Agreement	15
4	Compliance status with environmental management and monitoring plans and environmental assessment and review framework/procedures as stipulated in the environmental documentation as agreed with ADB	18
5	Monitoring of environmental receptors/ attributes (ambient air and ambient noise, surface and ground water)	19
6	Any other environmental aspects, impacts observed during implementation which were not covered earlier	19
7	Details of Grievance Redress Committee and complaints received from public and actions taken thereof to resolve	19
8	Public consultation during project implementation	19
9	Institutional set-up for EMP implementation	19
10	Follow-up actions and conclusions	20
11	COVID 19 Pandemic – Information about COVID 19 and Standard Operating Procedure (SOP)	20

## LIST OF TABLES

Table Name		Page No.
Table 1	Sub Projects under Supporting Human Capital Development in Meghalaya	5
Table 2	Progress Status and Implementation Schedule (Phase 1 to Phase 7)	8
Table 3	Compliance status with the Environmental Covenants	15
Table 4	Environmental Management and Monitoring Plan Status (Phase 1 to 7)	18

## **ABBREVIATIONS**

ADB	:	Asian Development Bank
AEA	:	Aide et Action
CBCS	:	Community Based Construction Specialist
DIET	:	District Institute of Education and Training
DPCU	:	District Project Coordination Unit
DSC	:	Design Supervision Consultants
EARF	:	Environmental Assessment and Review Framework
EMP	:	Environmental Management Plan
IEE	:	Initial Environmental Examination
ITI	:	Industrial Training Institute
PIU	:	Project Implementation Unit
PMC	:	Project Monitoring Consultant
PUC	:	Pollution Under Control certificates
PWD	:	Public Works Department
REA	:	Rapid Environmental Assessment
RMSA	:	Rashtriya Madhyamik Shiksha Abhiyan
SMC	:	School Management Committee
TTC	:	Teacher Training Centers

## 1. INTRODUCTION

### A. Project Background and Objective

1. Meghalaya is a small, land-locked state in northeast India with population of 2.9 million. It is flanked by Bangladesh in the south and Assam on the other three sides. A predominantly tribal state<sup>1</sup>, it has rich mineral reserves such as coal and limestone, forest cover of more than 70%, and abundant rainfall. Meghalaya's economy has lagged behind due to its remote location, hilly terrain, and poor infrastructure. The high transport cost affects the competitiveness of economic activities and discourages private investment. The industrial base is narrow with limited processing and value addition taking place within the state. The low employability of Meghalaya's youth compounds the adverse effects of these structural constraints, thereby trapping the state in a vicious cycle of poverty and underdevelopment.

2. The proposed project, "Supporting Human Capital Development in Meghalaya" aims to enhance the employability of Meghalaya's youth by improving the quality, delivery, and access of secondary and higher secondary school education and facilitating results oriented technical and vocational skills training in the state. The following project components are relevant for infrastructure upgradation:

- (i) Upgrading the infrastructure of 117 government-aided private secondary (SS) and higher-secondary (HS) schools of Meghalaya to RMSA (Rashtriya Madhyamik Shiksha Abhiyan) standards to improve the overall learning and teaching environment, improve access for the physically challenged, and meet seismic safety standards. Additional rooms and other facilities including laboratories, libraries, separate toilets for girls and boys, clean drinking water, better furniture, display boards, and computers will also be provided. Additional rooms to accommodate classes 11 and 12 will be built where there is adequate space and demand so that retention and enrolment at the HS level is increased.
- (ii) Upgrading the infrastructure of 8 Industrial Training Institutes (ITI) and 2 Teacher Training Centers (TTCs) of Meghalaya and providing these with modern teaching facilities.
- (iii) Repair and renovation of existing infrastructure of 4 District Institute of Education and Training (DIET)

3. The detail of 131 sub projects under Supporting Human Capital Development under the loan 3033-IND in Meghalaya are given in **Table 1**:

**Table 1: Sub Projects under Supporting Human Capital Development in Meghalaya**

S.N	Sub Project Name	S.N	Sub Project Name
<b>Phase 1, Package 1</b>			
1	Good Shepherd Secondary School	10	Umroi Presbyterian Higher Secondary School
2	Khliehriat Presbyterian Higher Secondary School	11	Pillangkatta Secondary School
3	Holy Cross Higher Secondary School (Umkiang Secondary School)	12	Alpha English Higher Secondary School

<sup>1</sup>The tribal groups listed in Constitution Scheduled Tribe (ST) Order, 1950 account for 86% of Meghalaya's population. Khasis, Garos, and Jaintias are the three largest tribal groups of the state.

S.N	Sub Project Name	S.N	Sub Project Name
4	Mukhla Raij Secondary School	13	Mawsynram Higher Secondary School
5	Shangpung Presbyterian Higher Secondary School	14	Malai Sohmat Secondary School
6	Jowai Presbyterian Higher Secondary School	15	District Pyndemsohsaw Presbyterian Higher Secondary School
7	Kyrdem Presbyterian Secondary School	16	Laishnong Higher Secondary School
8	Mawryngkneng Higher Secondary School	17	Khad Ar Blang Secondary School
9	Rama Krishna Mission Secondary School	18	Raid Lyngkhat Presbyterian Secondary School
19	Laitumkhrah Assamese Secondary School	25	Tirot Singh Memorial Secondary School
20	Nongkrem Higher Secondary School	26	Seng Khasi Secondary School, Lyngkyrdem
21	Smit Higher Secondary School	27	Nongthliew Secondary School
22	Garo Union Secondary School	28	Village Durbar Higher Secondary School
23	Seng Khasi Higher Secondary School	29	St. John Bosco Boys' Higher Secondary School
24	Khasi Jaintia Presbyterian Girls Higher Secondary School	30	Cherra Presbyterian Secondary School
<b>Phase 2, Package 2</b>			
31	Laitumkhrah Bengali Secondary School	39	Hynriew Shnong Higher Secondary School
32	Laban Bangalee Boys' Higher Secondary School	40	Bynther Secondary School
33	Pomlum Higher Secondary School	41	Kynshi Higher Secondary School
34	Raid Lyngkhai Secondary School	42	Khadar Nor Proceeding Secondary School
35	Sohiong Higher Secondary School	43	Ambrose Memorial Secondary School
36	Mahatma Gandhi Memorial Secondary School	44	looksi Presbyterian Secondary School
37	Synod Higher Secondary School	45	Nongthluh Higher Secondary School
38	Tyrsad Higher Secondary School	46	Mynken Christian Higher Secondary School
<b>Phase 2, Package 3</b>			
47	United Songsak Secondary School	56	Gimegre Secondary School
48	Rongsakgre Secondary School	57	Bhaitbhari Higher Secondary School
49	United Rongjeng Higher Secondary School	58	Hawakhana Higher Secondary School
50	Mangsang Secondary School	59	Wadanang Secondary School
51	Green Yard Secondary School	60	Mount Sinai Secondary School
52	Williampur Secondary School	61	Najing Memorial G/A Secondary School (Danakgre Secondary)
53	Tikrikilla Higher Secondary School	62	Garobada Higher Secondary School
54	Janapriya Higher Secondary School	63	Rangsakona Secondary School
55	Bikkongre Secondary School	64	Mellim Def. Secondary School



S.N	Sub Project Name	S.N	Sub Project Name
<b>Phase 2, Package 4</b>			
65	Selsella Higher Secondary School	74	Omed Memorial Secondary School
66	Zekabari Higher Secondary School	75	Adokgiri Secondary School
67	Boldamgre Deficit Secondary School	76	Damas Secondary School
68	Nogorpara Deficit Secondary School	77	Manikganj Secondary School
69	Monabari Secondary School	78	Resubelpara Girls' Higher Secondary School
70	Vidyamoni Secondary School	79	Rangku Memorial Girls Secondary School
71	Rohonpara Deficit Secondary School	80	Rongrikimgre G/A Secondary School
72	Babelapara Higher Secondary School	81	Sibbari Secondary School
73	Gonchudare Higher Secondary School		
<b>Phase 3, Package 5</b>			
82	Lummuroo Secondary School	87	Khonjoy Secondary School
83	Sakhit Ch. Secondary School	88	Dalu Bengali Def. Secondary School
84	Tynring Presbyterian UP & Sec School	89	Bandalkhona Secondary School
85	Sanmer Secondary School	90	Rongsangabagre Secondary School
86	MDC Multipurpose Secondary School	91	Katuli Secondary School
<b>Phase 3, Package 6</b>			
92	Industrial Training Institute Rynjah, Shillong	95	Industrial Training Institute, Tura
93	Industrial Training Institute (Women) Rynjah, Shillong	96	Industrial Training Institute, Williamnagar
94	Industrial Training Institute, Sohra	97	Industrial Training Institute, Baghmara
<b>Phase 4, Package 7</b>			
98	Seinraj Secondary School	104	District Institute of Education and Training (DIET), Nongpoh
99	Nartiang Presbyterian Higher Secondary School	105	Madan Laban Nepali Secondary School
100	Byndihati Secondary School	106	Anath Ashram Secondary School
101	Padu Secondary School	107	District Institute of Education and Training (DIET) Sohra
102	Industrial Training Institute, Jowai	108	Lyngngam Presbyterian Secondary School
103	Nehru Memorial Secondary School	109	Pariong Presbytery Secondary School
<b>Phase 4, Package 8</b>			
110	Pedaldoba Secondary School	113	Salmanpara Secondary School
111	Raksamgre Secondary School	114	Rombagre Secondary School
112	Dilsigre Secondary School	115	Moheskola G/A Secondary School
116	Kherapara Secondary School	119	Industrial Training Institute, Resubelpara

S.N	Sub Project Name	S.N	Sub Project Name
117	Kharukol Higher Secondary School	120	District Institute of Education and Training (DIET) Resubelpara
118	District Institute of Education and Training (DIET), Baghmara		
<b>Phase 5, Package 9</b>			
121	Nongkwar Secondary School	124	Rev. JJM Nichols Roy Memorial Secondary School
122	Pynthorumkhrah Presbyterian Secondary School	125	Horirai Syiemlieh Memorial Higher Secondary School
123	Riwar Mihngi Presbyterian Secondary School	126	Mawlangwir Higher Secondary School
<b>Phase 6, Package 10</b>			
127	Teachers Training Centre (TTC) Malki	128	Teachers Training Centre (TTC) Tura
<b>Phase 7, Package 11</b>			
129	Bajengdoba Higher Secondary School	130	Aradonga Secondary School
131	Akonggiri G/A Secondary School		

## B. Project Progress Status during the reporting period

4. The updated project progress status for the 131 sub projects during January 2021 to December 2021 is given in **Table 2**. The physical progress for all sub-projects under the loan have been completed in September 2020.

**Table 2: Progress Status and Implementation Schedule (Phase 1 to 7)**

S. N	Lot No	Sub Project Name	Commence-ment Date	Completion Date as per agreement	Physical Progress till September 2020 (%)	Level of Progress
<b>Phase 1 Package 1</b>						
1	1	Good Shepherd Secondary School	15-09-2015	01-12-2018	100	Handed Over.
2	1	Khliehriat Presbyterian Secondary School	29-09-2015	01-12-2018	100	Handed Over.
3	1	Umkiang Secondary School	14-03-2016	01-12-2018	100	Handed Over.
4	2	Mukhla Raji Secondary School	04-03-2015	01-07-2019	100	Handed Over.
5	2	Shangpung Presbyterian Higher Secondary School	20-05-2015	01-07-2019	100	Handed Over.
6	2	Jowai Presbyterian Higher Secondary School (LOT 1 PKG 101) - Replaced School	28-06-2019	28-06-2020	100	Handed Over

S. N	Lot No	Sub Project Name	Commence-ment Date	Completion Date as per agreement	Physical Progress till September 2020 (%)	Level of Progress
7	3	Kyrdem Presbyterian School	12-10-2015	01-06-2019	100	Handed over
8	3	Mawryngkneng Higher Secondary School	24-02-2016	01-06-2019	100	Handed over
9	3	Rama Khrihna Mission Secondary School	03-11-2015	01-06-2019	100	Handed over
10	4	Laitumkhrah Assamese Secondary School	25-01-2015	01-11-2018	100	Handed Over.
11	4	Nongkrem Secondary School	07-12-2015	01-11-2018	100	Handed Over.
12	4	Smit Higher Secondary School	02-12-2015	01-11-2018	100	Handed Over.
13	5	Garo Union Presbyterian School	08-28-2014	08-27-2016	92	Contract Terminated with earlier Contractor - M/s Marbaniang Enterprise.
			03-12-2019	02-03-2020	100	Handed Over
14	5	Seng Khasi Higher Secondary School, Shillong	08-28-2014	08-27-2016	67.5	Contract Terminated with earlier Contractor - M/s Marbaniang Enterprise.
			03-12-2019	02-03-2020	100	Handed Over
15	5	Khasi Jaintia Presbyterian Girls Higher Secondary School	08-28-2014	08-27-2016	84	Contract Terminated with earlier Contractor - M/s Marbaniang Enterprise.
			03-12-2019	02-03-2020	100	Handed Over
16	6	Umroi Presbyterian Secondary School	08-28-2014	08-27-2016	76	Contract Terminated with earlier Contractor - M/s Marbaniang Enterprise.
			03-12-2019	02-03-2020	100	Handed over
17	6	Pillangkata Secondary School (LOT 2 PKG 101) - Replaced school	15-06-2019	26-05-2020	100	Handed over
18	6	Alpha English Higher Secondary School (LOT 3 PKG 101) - replaced school	28-06-2019	18-06-2020	100	Handed over
19	7	Mawsynram Higher Secondary School	20-03-2015	19-03-2019	100	Handed Over
20	7	Malai Sohmat School	29-04-2015	19-03-2019	100	Handed Over
21	7	District Pyndemsohsaw Presbyterian Secondary School	15-05-2015	19-03-2019	100	Handed Over
22	8	Laishnong Higher Secondary School	10/3/2015	01-06-2018	100	Handed Over

S. N	Lot No	Sub Project Name	Commence-ment Date	Completion Date as per agreement	Physical Progress till September 2020 (%)	Level of Progress
23	8	Khad-Ar-Blang Secondary School	21-05-2015	01-06-2018	100	Handed Over
24	8	Raidlyngkhat Presbyterian Secondary School	30-04-2015	01-06-2018	100	Handed Over
25	9	Tirot Singh Memorial Secondary School	2/2/2015	01-12-2017	100	Handed Over
26	9	Seng Khasi Secondary School, Lyngkyrdem	16-05-2015	01-12-2017	100	Handed Over
27	9	Nongthliw Secondary School.(Replaced School)	9/24/2018	09-23-2019	100	Handed Over
28	10	Village Durbar Secondary School	5/1/2015	01-09-2018	100	Handed Over
29	10	St. John Bosco Boys Secondary School	4/5/2015	01-09-2018	100	Handed Over
30	10	Cherra Presbyterian Secondary School (Replaced School)	6/12/2018	01-09-2018	100	Handed Over
<b>Phase 2 Package 2</b>						
1	1	Laitumkhras Bengali Secondary School	12/4/2016	01-09-2018	100	Handed Over
2	1	Laban Bangalee Boys' Higher Secondary School (Replaced School)	3/1/2019	03-01-2020	100	Handed over
3	1	Pomlum Secondary School	14-03-2016	01-09-2018	100	Handed Over
4	2	Raid Lyngkhai Secondary	22-03-2016	01-08-2018	100	Handed Over.
5	2	Sohiong Secondary School	22-03-2016	01-08-2018	100	Handed Over.
6	3	Mahatma Gandhi Memorial Secondary School	21-03-2016	01-09-2018	100	Handed Over.
7	4	Synod Higher Secondary School	10/9/2016	01-08-2019	100	Handed Over.
8	5	Tyrsad Higher Secondary School	4/3/2016	01-06-2019	100	Handed Over.
9	5	Hynriew Shnong Higher Secondary School	4/3/2016	01-06-2019	100	Handed Over.
10	6	Bynther Secondary School	18-03-2016	01-08-2018	100	Handed Over.
11	6	Kynshi Higher Secondary School	18-03-2016	01-08-2018	100	Handed Over.
12	7	Khadar Nar Proceeding Secondary School	18-03-2016	01-09-2019	100	Handed Over.
13	7	Ambrose Memorial Secondary School	10/3/2016	01-09-2019	100	Handed Over.
14	7	Presbyterian Secondary School, looksi	7/4/2016	01-09-2019	100	Handed Over.

S. N	Lot No	Sub Project Name	Commence-ment Date	Completion Date as per agreement	Physical Progress till September 2020 (%)	Level of Progress
15	8	Nongthluh Secondary School	28-04-2016	01-05-2019	100	Handed Over.
16	8	Mynken Christian Secondary	9/4/2016	01-05-2019	100	Handed Over.
<b>Phase 2 Package 3</b>						
17	1	United Songsak Secondary School	18-11-2016	01-11-2018	100	Handed over
18	1	Rongsakgre Secondary School	18-11-2016	01-11-2018	100	Handed over
19	2	United Rongjeng Secondary School	22-11-2016	01-08-2019	100	Handed over
20	2	Mangsang Secondary School	22-11-2016	01-08-2019	100	Handed over
21	3	Green Yard Secondary School (Rebidding due to Force Majeure)	22-04-2016	01-05-2020	100	Handed over
22	4	Williampur Higher Secondary School	25-04-2016	01-12-2018	100	Handed over
23	4	Tikrikilla Boys Higher Secondary School	25-04-2016	01-12-2018	100	Handed over
24	5	Janapriya Higher Secondary School	19-08-2016	01-01-2019	100	Handed over
25	5	Bikkongre Secondary School	19-08-2016	01-01-2019	100	Handed over
26	6	Gimegre Secondary School	18-04-2016	01-03-2020	100	Handed over
27	6	New Bhaithbhari Higher Secondary School	18-04-2016	01-03-2020	100	Handed over
28	7	Hawakhana Higher Secondary School	16-04-2016	01-03-2018	100	Handed over
29	8	Wadanang Secondary School	16-04-2016	01-05-2019	100	Handed over
30	8	Mount Sinai Secondary School	16-04-2016	01-05-2019	100	Handed over
31	9	Narjing Memorial Secondary (Danakgre Secondary)	18-08-2016	01-11-2018	100	Handed over
32	9	Garobada Higher Secondary School	18-08-2016	01-11-2018	100	Handed over
33	10	Rangsakona Secondary school	4/8/2016	01-03-2019	100	Handed over
34	10	Mellim Def. Secondary School	15-04-2016	01-03-2019	100	Handed over
<b>Phase 2 Package 4</b>						
35	1	Selsella Higher Secondary School	15-04-2016	01-03-2020	100	Handed over
36	1	Jekabari Secondary School	15-04-2016	01-03-2020	100	Handed over

S. N	Lot No	Sub Project Name	Commence-ment Date	Completion Date as per agreement	Physical Progress till September 2020 (%)	Level of Progress
37	2	Boldamgre Def. Secondary School	19-04-2016	01-03-2020	100	Handed over
38	2	Nogorpara Secondary School	19-04-2016	01-03-2020	100	Handed over
39	3	Monabari Secondary School	19-04-2016	01-07-2018	100	Handed over
40	3	Vidyakamoni Secondary School	4/8/2016	01-07-2018	100	Handed over
41	4	Rohonpara Secondary School	20-04-2016	01-12-2018	100	Handed over
42	4	Babelapara Higher Secondary School	20-04-2016	01-12-2018	100	Handed over
43	4	Gonchudare Secondary School	18-04-2016	01-12-2018	100	Handed over
44	5	Omed Memo. Secondary School	9/8/2016	01-12-2019	100	Handed over
45	5	Adokgiri Secondary School	9/8/2016	01-12-2019	100	Handed over
46	6	Damas Secondary School	9/8/2016	01-12-2019	100	Handed over
47	6	Manikganj Secondary School	9/8/2016	01-12-2019	100	Handed over
48	7	Resubelpara Girls Higher Secondary School	8/2/2017	01-06-2019	100	Handed over
49	8	Rangku Memo. Girls Secondary School	7/4/2017	01-06-2019	100	Handed over
50	9	Rongrikkingre Secondary School	21-04-2016	01-03-2018	100	Handed over
51	9	Sibbari Secondary School	21-04-2016	01-03-2018	100	Handed over
<b>Phase 3 Package 5</b>						
1	1	Lummuroo Secondary School (Replaced School)	5/11/2018	01-10-2019	100	Handed over
2	2	Sakhit Ch. Secondary School, Umtra.	20-02-2017	01-07-2019	100	Handed over
3	3	Tynring Presbyterian UP & Secondary School	16-01-2017	01-06-2019	100	Handed over
4	4	Sanmer Secondary School	15-02-2017	01-09-2019	100	Handed over
5	4	Mawngap Christian Hr Secondary School	25-02-2017	01-09-2019	100	Handed over
6	5	Khonjoy Secondary School	7/2/2017	01-06-2019	100	Handed over
7	6	Dalu Bengoli Def. Secondary School	12/1/2017	01-12-2018	100	Handed over
8	7	Bandalkhona Secondary School	31-01-2017	01-08-2019	100	Handed over

S. N	Lot No	Sub Project Name	Commence-ment Date	Completion Date as per agreement	Physical Progress till September 2020 (%)	Level of Progress
9	7	Rongsangbagre Secondary School	23-08-2017	01-08-2019	100	Handed over
10	7	Katuli Secondary School	31-01-2017	01-08-2019	100	Handed over
<b>Phase 3 Package 6</b>						
11	1	ITI Shillong (General)	28-12-2016	01-12-2018	100	Handed Over.
12	2	ITI Shillong Women	9/1/2017	01-12-2019	100	Handed over
13	3	ITI Sohra	11/1/2017	01-12-2018	100	Handed over
14	4	ITI Tura	23-12-2016	01-01-2019	100	Handed over
15	5	ITI Williamnagar	16-01-2017	01-12-2018	100	Handed Over.
16	6	ITI Baghmara	04-07-2017	01-07-2019	100	Handed over
<b>Phase 4 Package 7</b>						
1	1	Seinraj Secondary School	25-08-2017	01-02-2019	100	Handed Over.
2	1	Nartiang Secondary School	22-08-2017	01-02-2019	100	Handed Over.
3	2	Byndihati Secondary School	21-03-2017	01-09-2019	100	Handed Over.
4	3	Padu Secondary School	27-03-2017	01-02-2019	100	Handed Over.
5	4	ITI Jowai	1/3/2017	01-08-2019	100	Handed Over.
6	5	Nehru Memorial Secondary School	16-04-2017	01-02-2019	100	Handed over
7	5	DIET Nongpoh	28-04-2017	01-02-2019	100	Handed Over.
8	6	Madan Laban Secondary School	3/4/2017	01-02-2019	100	Handed Over.
9	6	Anath Ashram Secondary School	3/4/2017	01-02-2019	100	Handed Over.
10	6	DIET Sohra	19-07-2017	01-02-2019	100	Handed Over.
11	7	Lyngam Secondary School	22-03-2017	01-08-2019	100	Handed Over.
12	8	Pariong Secondary School	7/3/2017	01-02-2019	100	Handed Over.
<b>Phase 4 Package 8</b>						
13	1	Pedaldoba Secondary School	16-03-2016	01-02-2019	100	Handed Over.
14	1	Raksamgre Secondary School	16-03-2016	01-02-2019	100	Handed Over.

S. N	Lot No	Sub Project Name	Commence-ment Date	Completion Date as per agreement	Physical Progress till September 2020 (%)	Level of Progress
15	2	Dilsigre Secondary School	29-04-2017	01-03-2019	100	Handed Over.
16	2	Kherapara Secondary School	28-04-2017	01-03-2019	100	Handed Over.
17	3	Karukol G/A Secondary School	4/7/2017	01-05-2019	100	Handed over
18	3	DIET-Baghmara	4/7/2017	01-05-2019	100	Handed over
19	4	Salmanpara Secondary School	13-04-2017	01-06-2019	100	Handed over
20	5	Rombagre Secondary School	6/7/2017	19-06-2019	100	Handed over
21	6	Maheskola GA Secondary School	22-03-2018	01-11-2019	100	Handed over
22	7	ITI Resubelpara	21-03-2017	01-08-2019	100	Handed over
23	7	DIET Resubelpara	15-12-2018	01-08-2019	100	Handed over
<b>Phase 5 Package 9</b>						
1	1	Mawlangwir Hr. Sec. School	20-12-2017	01-12-2019	100	Handed over
2	2	Horirai Syiemlieh Memorial Hr. Sec. School	20-12-2017	01-12-2019	100	Handed over
3	3	Nongkwar Secondary School	24-07-2018	01-12-2019	100	Handed over
4	3	Pynthorumkhrah Secondary School	24-07-2018	01-12-2019	100	Handed over
5	4	Rev JJM Nichols Roy Memorial Hr Sec. School.	5/3/2018	01-12-2019	100	Handed over
6	5	Riwar Mihngi Presbyterian Sec. School.	20-12-2017	01-12-2019	100	Handed Over.
<b>Phase 6 Package 10</b>						
1	1	Teacher Training Centre (TTC) Malki	29-08-2018	01-01-2020	100	Handed Over.
2	2	Teacher Training Centre (TTC) Tura	28-12-2017	01-12-2019	100	Handed Over.
<b>Phase 7 Package 11</b>						
1	1	Akhonggiri GA Secondary School	26-09-2018	01-09-2020	100	Handed over
2	2	Bajengdoba Higher Secondary School	23-09-2018	01-09-2020	100	Handed over
3	3	Aradonga Secondary School	10/10/2018	01-09-2020	100	Handed over



## 2. COMPLIANCE STATUS WITH NATIONAL /STATE /LOCAL STATUTORY ENVIRONMENTAL REQUIREMENTS

5. Out of 131 sub projects, works have been allotted to the civil contractors for 131 sub projects under Phase 1 (30 Sub-projects), Phase 2 (51 Sub-projects), Phase 3 (16 Sub-projects), Phase 4 (23 Sub-projects), Phase 5 (6 Sub-projects), Phase 6 (2 Sub-projects) & Phase 7 (3 Sub-projects). As the physical progress completed for all sub-projects in September 2020, hence, the renewal of labour license and other requisite permission is not required during the reporting period.

6. Construction materials during the implementation stage were procured from the sources ( approved quarry and construction plants) in compliant with environmental regulation of the country.

## 3. COMPLIANCE STATUS WITH THE ENVIRONMENTAL COVENANTS AS STIPULATED IN THE LOAN AGREEMENT

7. The status on environmental loan covenants for different sub-projects under implementation during the reporting period has been provided in **Table 3**.

**Table 3: Compliance status with the Environmental Covenants**

Schedule	Para No.	Description	Compliance Status
5	3	<b>Selection Criteria for selected schools</b> Except as ADB may otherwise agree, the State shall ensure that each selected school satisfies the following minimum criteria	
	(e)	the selected school shall have adequate land to enable the construction of additional rooms and buildings without encroaching upon any existing extra-curricular or sports fields	Complied
	(f)	the rehabilitation of the selected school shall not require any acquisition of additional land or have any negative resettlement, environment or other social safeguard impacts;	Complied
	(g)	the selected school shall not be located near any national park or environmentally or culturally sensitive or protected areas;	Complied
5	13	<b>Environment</b> The Borrower and State shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project, and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health, and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.	Complied The 10 <sup>th</sup> environmental monitoring report (EMR) covering the reporting period from January 2021 to December 2021 has been prepared.
5	16	<b>Human and Financial Resources to Implement Safeguards Requirements:</b>	Complied

Schedule	Para No.	Description	Compliance Status
		The Borrower shall make available, or cause the state to make available, necessary budgetary and human resources to fully implement the EMPs and the IPP	
5	17	<b>Grievance Redress Committee:</b> The State shall establish and maintain a grievance redress committee with representation from all stakeholders in the Project for the purpose of addressing any grievances from affected peoples concerning environment, resettlement and any other social issues in a timely manner.	Complied
5	18	<b>Safeguards – Related Provisions in Bidding Documents and Works Contracts:</b> The Borrower and the State shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to:	
	(a)	comply with the measures relevant to the contractor set forth in the IEEs, the EMPs, and the IPP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report;	Complied
	(b)	make available a budget for all such environmental and social measures	Complied
	(c)	provide the Borrower with a written notice of any unanticipated environmental or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs and the IPP.	Complied
5	20	<b>Social Provisions in Works Contracts:</b> The Borrower and the State shall ensure that the Works contracts under the Project follow all applicable labor laws of the Borrower and the State and that these further include provisions to the effect that contractors:	Complied
	(a)	carry out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction;	Complied
	(b)	follow and implement all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions. Such contracts shall also include clauses for termination in case of any breach of the stated provisions by the contractors.	Complied
5	21	<b>Safeguards Monitoring and Reporting:</b> The Borrower shall do the following, or cause the State to do the following	

Schedule	Para No.	Description	Compliance Status
	(a)	submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission	Complied Submission of 10 <sup>th</sup> EMR for the period January 2021 to December 2021 has been done.
	(b)	if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs, and the IPP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan	Complied
	(c)	report any actual or potential breach of compliance with the measures and requirements set forth in the EMPs, or the IPP promptly after becoming aware of the breach	Complied

#### 4. COMPLIANCE STATUS WITH ENVIRONMENTAL MANAGEMENT AND MONITORING PLANS AND ENVIRONMENTAL ASSESSMENT AND REVIEW FRAMEWORK/PROCEDURES AS STIPULATED IN THE ENVIRONMENTAL DOCUMENTATION AS AGREED WITH ADB

8. The EMP implementation is monitored during operation stage by PIU-1 and PIU-3. The status of EMP implementation during the operation stage for all sub-projects are given in Table 4

**Table 4: Environmental Management and Monitoring Plan Status (Phase 1 to Phase 7)**

Sl. No	Project Activity	Potential Impact	Mitigation Measures	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Compliance Status	Follow up Action Proposed
<b>Operation Phase</b>								
1.	Maintenance of the school infrastructure facilities	<ul style="list-style-type: none"> <li>Damages to school property due to inadequate maintenance</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance activities that needs to be carried out by SMC as and when required.</li> <li>Maintenance registers to be maintained.</li> </ul>	<ul style="list-style-type: none"> <li>Contractor (during DLP).</li> <li>PMU (SMC) (after contractor DLP)</li> </ul>	<ul style="list-style-type: none"> <li>PIU-1 and PIU-3 (though the contractor in DLP)</li> </ul>	<ul style="list-style-type: none"> <li>Monthly Inspection</li> </ul>	<ul style="list-style-type: none"> <li>Being complied</li> </ul>	-
2.	Health and hygiene	<ul style="list-style-type: none"> <li>Un-hygienic drinking water leading to health issues</li> <li>Lack of sufficient quantity of water for drinking and sanitation</li> </ul>	<ul style="list-style-type: none"> <li>Drinking water quality to be tested at least twice a year.</li> <li>The students to be made aware on the importance of conservation of water.</li> <li>The sanitary facilities to be cleaned on a regular basis. Sufficient water storage facilities from both piped and rain water sources.</li> </ul>	<ul style="list-style-type: none"> <li>Contractor (during DLP).</li> <li>PMU (SMC) (after contractor DLP)</li> </ul>	<ul style="list-style-type: none"> <li>PIU-1 and PIU-3 (though the contractor in DLP)</li> </ul>	<ul style="list-style-type: none"> <li>Monthly Inspection</li> </ul>	<ul style="list-style-type: none"> <li>Being complied</li> </ul>	-

## 5. MONITORING OF ENVIRONMENTAL RECEPTORS/ ATTRIBUTES (AMBIENT AIR AND AMBIENT NOISE, SURFACE AND GROUND WATER)

9. All 131 sub-projects work were completed in September 2020. The environmental monitoring of ambient air, ambient noise, surface and ground water has not been done during the reporting period due to COVID 19 pandemic.

## 6. ANY OTHER ENVIRONMENTAL ASPECTS, IMPACTS OBSERVED DURING IMPLEMENTATION WHICH WERE NOT COVERED EARLIER

10. No such environmental impact observed for any of the sub-projects during the reporting period.

## 7. DETAILS OF GRIEVANCE REDRESS COMMITTEE AND COMPLAINTS RECEIVED FROM PUBLIC AND ACTIONS TAKEN THEREOF TO RESOLVE

11. A State Level Grievance Redressal Committee (GRC) for the project with the following committee members to redress grievances of affected people (AP), related to social and environmental issues in the project is formed.

Tier	Forum	Level	Committee Members
1 <sup>st</sup> Tier	Village Level Forum (VLF)	Village	Village Dorbar, Awareness Building & Mobilization – Community Mobilizer
2 <sup>nd</sup> Tier	District Level Forum (DLF)	District	Deputy Commissioner, District Planning Officer, District Education Officers/ITI Principal, Block Development Officers & Monitoring Officers
3 <sup>rd</sup> Tier	Project Implementation Unit Level Forum (PLF)	PIU	Head Project Implementation Unit, Safeguards Officers–PIUs, Social Safeguards Specialist-PMC, Environment Specialist-PMC, Team Leader of NGO (Aide et Action)
4 <sup>th</sup> Tier	Project Management Unit (PMU)	PMU	PMU Head, PIU-2 and PIU-3 Head, Addl. Project Director, PIUs Safeguards Officers, PMC Environment Safeguards, PMC Social Safeguards, DSC-Environment Specialist

12. During the reporting period (January 2021 to December 2021) no complaint with respect to environment safeguard was received from any operational sub-projects.

## 8. PUBLIC CONSULTATION DURING PROJECT IMPLEMENTATION

13. Public Consultation for operational sub-projects had not been carried during the reporting period (All 131 sub-projects were completed on September 2020).

## 9. INSTITUTIONAL SET-UP FOR EMP IMPLEMENTATION

14. Environmental management plan is being implementing following implementation arrangements focusing on the environmental safeguards given in Environmental Assessment and Review Framework (EARF). The Public Works Department (PWD), Government of Meghalaya (GOM), is mainly responsible for planning, designing, and implementing civil works projects in the state. The PWD engineers are generally assigned additional environmental tasks in addition to their technical responsibilities.

15. The Project Director is being assisted by PIU-1 and PIU-3 for monitoring of the environment relating works as per the Environmental Management plan (EMP) for all sub-projects during implementation and operation stage in line with the ADB cleared planning document (IEE/EARF)

## **10. FOLLOW-UP ACTIONS AND CONCLUSIONS**

16. No follow up action required during the reporting period

## **11. COVID 19 PANDEMIC – INFORMATION ABOUT COVID 19 AND STANDARD OPERATING PROCEDURE FOLLOW AS PER THE APPROVED SOP AND EXISTING STATE GOVERNMENT SOP**

17. During the COVID 19 pandemic, besides the existing SOP implemented in the State by the State Government; the Standard Operating Procedure (SOP) – Health and Safety (H&S) Plan for the project had been prepared and accordingly approved by ADB.
18. Most of the major items of works have been completed prior to lockdown and post lockdown only the rectification and minor works were taken up and completed by observing and following the guidelines of the approved SOP and Government Protocols. Some of the guidelines followed are:
- a. Majority of the migrant workers and labourers from the neighboring States left for their native place for winter breaks and festive season, as such these workers were stranded in their native place and could not return back to the site of work due to restrictions imposed by the State Administration due to COVID 19 pandemic break out.
  - b. Further, some works were also carried out by locally as per availability.
19. During the operation stage, some of the project staff (EA/IAs) had been infected with COVID 19. The SOP was implemented adequately to ensure the health and safety of the project staff during the reporting period.