# APPENDICES

# **APPENDICES**

# **APPENDIX-I**

Name	Name of the School:						Regi	on whe	re the sc	hool loca	Region where the school located: Urban/Semi Urban/Rural/Remote	/ Semi Urba	ın/Rural/R	emote
Class:		Subject:	ct					No of C	No of Class Per Week:	.Week:				
												Date:	je:	
Student ID Gender	Category (Tribal Status)	Overall % of Marks (8th)	% of Marks in	Overall % of Marks (9th) (if any)	% of Marks in Mathematics (9th)	Parental Education (Father)	Parental Education (Mother)	Economic Status (Monthly Income)	Main Occupation of Household	Geographical Location	Is there a well- constructed road to the school?	Problems Faced to Reach School	Distance to School (km)	Attendance Rate (%)
10														
Economic Status (N	tatus (Monthly	ly	Main Occupation of	pation	Jo		Geogr	aphical	Geographical Location:	;	Problem	Problems Faced to Reach School:	Reach Sch	loot:
Income):			Household:	-: ·			,	!	,		(Multipl	(Multiple responses can be allowed if	s can be a	llowed i
1: Below <3,000	7 <5,000 1 ≥10 000		1: Agriculture 2: Daily Wage Labor	ure age Labi	JC			Hilly Terrain Plateau Region	ain arion		required.)	<b>1.)</b> Jistance		
2: ₹3,90 3: ₹10,0(	01 - £20,000		3: Government Job	nent Jol	٠ .			Valley Areas	as		2: Poor F	2: Poor Roads or No Roads	Roads	
4: ₹20,00 5: Above	4: ₹20,001 – ₹50,000 5: Above ₹50,000		4: Private Sector Job 5: Business 6: Other (Specify	s S becify	Q.		5. Re	Plains Remote/Is Seasonal L	Plains Remote/Isolated Villages Seasonal Impact Zones	illages	3: Lack of 3 4: Seasona landslides)	3: Lack of Transportation 4: Seasonal Obstacles (e.g., floods, landslides)	ation s (e.g., floo	ds,
		<u> </u>	,						or sanding		5: Safety	5: Safety Concerns (e.g., wild animals,	e.g., wild ar	nimals,
there a we	Is there a well-constructed road to the school?	ed road to	the schoo	il?		1:	1: Yes		2: No		crime)	crime)		

# **APPENDIX-II**

# **Observation Schedule for Classroom Observation**

Date:	<b>Duration:</b>
Name of the Teacher:	Class:
Subject:	
Research Study on "Achievement Level Koraput District"	ls in Mathematics of Class IX Tribal Students in
Section 1: Teaching Met	hods & Classroom Environment

Aspect Observed	Observation Notes	Rating (1-5)
Student participation in class (e.g., asking questions, answering, contributing)		
Teacher's teaching method(s) (e.g., lecture, group work, problem-solving, practical applications)		□1 □2 □3 □4 □5
Use of multimedia or teaching aids (charts, videos, etc.)		
Teacher-student interaction (e.g., direct questioning, feedback)		
Classroom organization (e.g., seating arrangement, student grouping)		
Teaching resources availability (e.g., books, notes, tools)		

Rating scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent

# Section 2: Student Engagement and Behaviour

Aspect Observed	Observation Notes	Rating (1-5)
Student attention and focus during the lesson (e.g., actively listening, taking notes)	-	
<b>Student interaction with peers</b> (e.g., group work, discussions)	-	
<b>Behaviour of students in the class</b> (e.g., any disruptive behaviour, distractions)	_	
Student engagement with learning materials (e.g., textbooks, worksheets, practical activities)	_	
Signs of motivation and interest in mathematics (e.g., raising hands, volunteering to answer)	_	

Rating scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent

Section 3: Teaching Strategies and Adaptation to Student Needs

Aspect Observed	Observation Notes	Rating (1-5)
Teacher's effort to address students' diverse needs (e.g., slower learners, language difficulties)		□ 1 □ 2 □ 3 □ 4 □ 5
Use of real-world examples or applications in mathematics		
Clarification of difficult concepts or doubts (e.g., teacher explaining in simpler terms)		
Support for struggling students (e.g., individual attention, extra practice)		

Rating scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent

### **Section 4: Student Performance and Achievement Indicators**

Aspect Observed	Observation Notes	Rating (1-5)
Student response to questions or problems posed by teacher		
Level of understanding demonstrated by students (e.g., through their answers, participation)		
Completion of assignments or tasks given during class		
Overall classroom achievement level (based on observations of student performance)		

Rating scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent

### Section 5: Challenges in Teaching Mathematics to Tribal Students

Aspect Observed	Observation Notes	Rating (1-5)
Language barriers affecting understanding		
Cultural factors influencing student engagement		
Limited access to resources (books, materials)		
Parental involvement or community support		
Overall impact of challenges on student performance		

Rating scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent

## Section 6: Additional Observations/Comments

What are the strengths observed in the teaching and learning process?
What are the areas that need improvement?
Any other noteworthy observations or comments?