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Table 1: Characteristics of the 74 schools enrolled for the trial (July 2015-March 2016)

		SM (n=25)	TSM (n=24)	Control (n=25)
Type of school (%)	Only secondary	36.0	33.3	36.0
	Secondary & higher secondary	64.0	66.7	64.0
Nature of school (%)	Co-education	84.0	83.3	84.0
	Only girls	12.0	12.5	12.0
	Only boys	4.0	4.2	4.0
School size	101-300	24.0	29.2	24.0
	301-600	44.0	47.5	44.0
	>600	32.0	33.3	32.0
Grade IX student enrolment	Mean (SD)	294 (228)	275 (218)	304 (186)
	Min-Max	55-997	61-939	87-753
Student enrolment	Total number of students enrolled	16443	15106	16747
	Median number of students/school	483	410	536
Teachers appointed	Mean number of teachers (SD)	11.36 (4.4)	11.13 (6.3)	11.92 (5.6)

Table 2: Selected baseline measures of 13,035 participants who participated in the baseline survey in 10-27July 2015, by trial arm

		SM (n=25)	TSM (n=24)	Control (n=25)
	N	4524	4046	4465
Gender	Boys (%)	48.5	53.6	55.7
Age	Mean (in years; (SD))	13.8 (0.8)	13.8 (0.8)	13.7 (0.8)
Marital status	Unmarried (%)	97.3	95.4	97.5
Caste	“Backward”	64.5	69.7	70.0
	“Scheduled” caste	23.7	22.6	19.4
	General	8.4	6.6	8.6
	Other	2.4	1.1	2.0
Primary outcome	School climate score (Mean (SD))	17.87 (4.1)	17.96 (4.3)	17.93 (4.0)
	Depressive symptom score (Mean (SD))	6.61 (5.3)	6.51 (5.4)	6.40 (5.2)
Secondary outcomes	Attitude towards gender equity (Mean (SD))	5.35 (1.5)	5.24 (1.5)	5.36 (1.6)
	Knowledge of RSH (Mean (SD))	2.14 (1.7)	2.31 (1.8)	2.10 (1.8)
	Frequency of bullying (Mean (SD))	0.75 (1.5)	0.85 (1.6)	0.69 (1.4)
	Violence (victimization) in last 12 months (%)	16.1	18.3	17.3
	Violence (perpetration) in last 12 months (%)	12.8	15.1	12.9
	Tobacco smoking in last 12 months (%)	3.1	4.3	3.5
Exploratory outcomes	Tobacco chewing in last 12 months (%)	4.0	4.7	3.9
	Alcohol drinking in last 12 months (%)	3.5	4.2	3.4
	Other substance use in last 12 months (%)	6.1	7.7	5.2
	Sexual behaviour in last 12 months (%)	15.7	15.1	12.8
	Forced sex in last 12 months (%)	6.8	8.3	6.4
	Suicide attempt in last 12 months (%)	1.8	2.9	2.4

Table 3: Coverage of intervention activities by arm during the trial period (July 2015 to February 2016)

Activities	Target / school	SM arm (n=25)	Coverage	TSM arm (n=24)	Coverage
Awareness generation					
Number of assemblies addressed	4/month	736	92.0%	548	71.3%
Number of staff meeting	1/month	180	90.0%	185	96.3%
Wall magazine					
Number of issues	1/month	198	99.0%	186	96.8%
Speak-out box					
Number of chits received		1098	-	254	-
Competitions					
Number of competitions	1/month	172	86.0%	155	80.7%
School Health Promotion Committee					
Number of meetings	2/year	50	100.0%	46	96.0%
Peer Group					
Number of meetings	1 /month	312	86.7%	200	73.5%
Workshops					
Number of workshop with students	1/year	25	100.0%	24	100.0%
Number of workshop with teachers	1/year	25	100.0%	24	100.0%
Individual counselling					
Number of cases (total number of students)		396 (13980)	2.8%	41 (12546)	0.3%
Supervision					
Supervisor's visits	3/month	418	69.7%	442	76.7%
Group meeting of TSM/SMs	1/month	8	100.0%	7	87.5%

Table 4: Intervention effects at 8 months on primary, secondary and exploratory trial outcomes (boys and girls combined)

	SM vs Control		TSM vs Control		SM vs TSM	
	aMD ¹ (95%CI)	Effect size (SMD) (95%CI)	aMD (95%CI)	Effect size (SMD) (95%CI)	aMD (95%CI)	Effect size (SMD) (95%CI)
Primary outcome						
School climate	7.57 (6.11, 9.03)	1.88 (1.44, 2.32)	-0.009 (-1.53, 1.51)	0.00 (-0.45, 0.44)	7.57 (6.06, 9.08)	1.88 (1.43, 2.34)
Secondary outcomes- continuous						
Depressive symptoms ^a	-1.23 (-1.89, -0.57)	-0.27 (-0.44, -0.11)	-0.03 (-0.70, 0.65)	-0.01 (-0.17, 0.16)	-1.23 (-1.91, -0.55)	-0.27 (-0.44, -0.10)
Attitude towards gender equity ^b	0.41 (0.21, 0.61)	0.23 (0.10, 0.36)	0.17 (-0.09, 0.38)	0.09 (-0.04, 0.23)	0.23 (0.02, 0.44)	0.14 (0.00, 0.27)
Knowledge of RSH ^c	0.29 (0.06, 0.53)	0.15 (0.02, 0.29)	0.06 (-0.18, 0.32)	0.04 (-0.10, 0.18)	0.22 (-0.02, 0.47)	0.12 (-0.03, 0.26)
Frequency of bullying ^d	-0.91 (-1.15, -0.66)	-0.47 (-0.61, -0.33)	-0.08 (-0.34, 0.18)	-0.04 (-0.18, 0.10)	-0.83 (-1.08, -0.57)	-0.42 (-0.57, -0.28)
Secondary outcomes- binary: adjusted odds ratio (95%CI)^e						
Violence (victimization)	0.62 (0.46, 0.84)		1.27 (0.93, 1.73)		0.49 (0.35, 0.67)	
Violence (perpetration)	0.68 (0.48, 0.96)		1.37 (0.95, 1.95)		0.49 (0.34, 0.71)	
Exploratory outcomes: adjusted odds ratio (95%CI)						
Tobacco smoking	0.83 (0.51, 1.36)		0.51 (0.30, 0.88)		1.61 (0.94, 2.75)	
Tobacco chewing	0.85 (0.53, 1.36)		0.47 (0.27, 0.79)		1.80 (1.08, 3.00)	
Alcohol drinking	0.81 (0.47, 1.43)		0.58 (0.32, 1.07)		1.39 (0.77, 2.53)	
Other substance use	0.81 (0.51, 1.27)		0.67 (0.40, 1.09)		1.20 (0.74, 1.97)	
Sexual behaviour	1.08 (0.83, 1.41)		1.10 (0.84, 1.45)		0.98 (0.75, 1.28)	
Forced sex	1.10 (0.79, 1.55)		0.96 (0.66, 1.38)		1.15 (0.81, 1.64)	
Suicide attempt	0.81 (0.51, 1.28)		1.12 (0.69, 1.82)		0.71 (0.44, 1.17)	

Key:

- The more negative the score, the lower the depressive symptoms.
- The more positive the score, the more the person's attitudes reflected gender equity.
- The more positive the score, the more person's knowledge of reproductive and sexual health.
- The more negative score, the lower the experience of bullying.
- If the aOR is < 1, the intervention is better than the comparison.

¹ Adjusted for: minimization variables, age, gender, marital status, caste, parent's education, parent's occupation and baseline cluster-level score of respective outcome measure

Supplement 1: Beyond Blue School Climate Questionnaire

Subscale: Relationships (10 items)

- 6 My teachers are fair in dealing with students
 - 11 There's at least one teacher or other adult in this school I can talk to if I have a problem
 - 21 I feel I can go to my teacher with the things that are on my mind
 - 22 In this school, teachers believe all students can learn
 - 23 In this school, students' ideas are listened to and valued
 - 24 In this school, teachers and students really trust one another
 - 25 In this school, teachers treat students with respect
 - 26 This school really cares about students as individuals
 - 27 Most of my teachers really listen to what I have to say
 - 28 Thinking of my teachers this term, I really like:
-

Subscale: Belonging (8 items)

- 8 I feel very different from most other students here
 - 9 I can really be myself at this school
 - 10 Other students in this school take my opinions seriously
 - 15 I am encouraged to express my own views in my class(es)
 - 16 Most of the students in my class(es) enjoy being together
 - 17 Most of the students in my class(es) are kind and helpful
 - 18 Most other students accept me as I am
 - 20 I feel I belong at this school
-

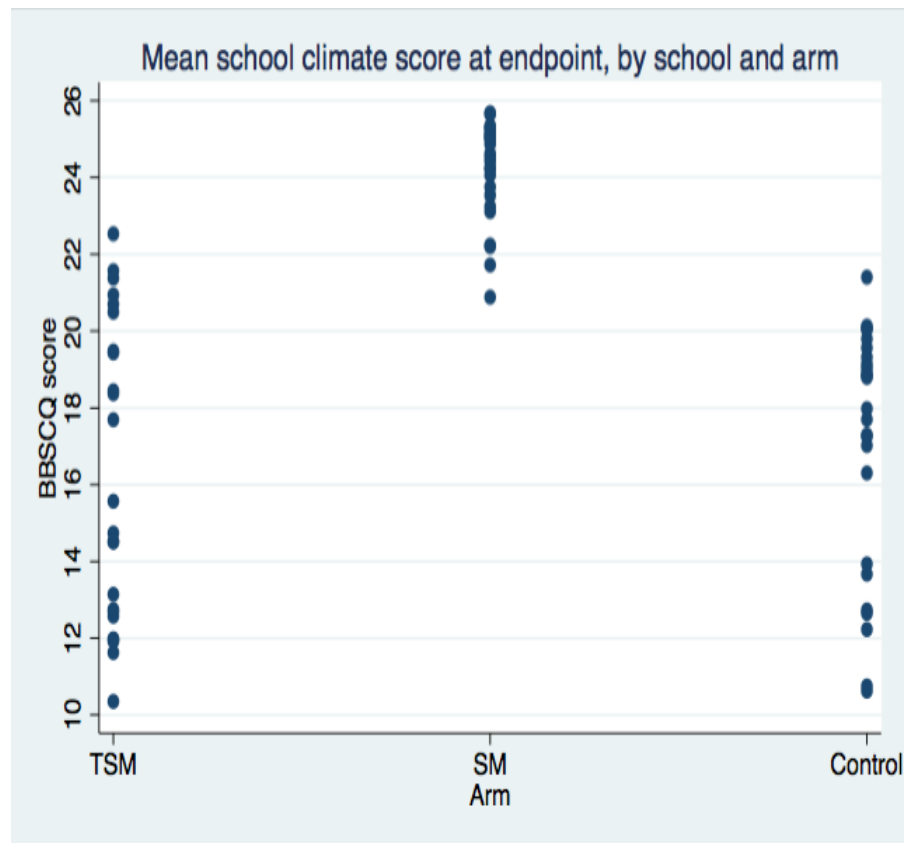
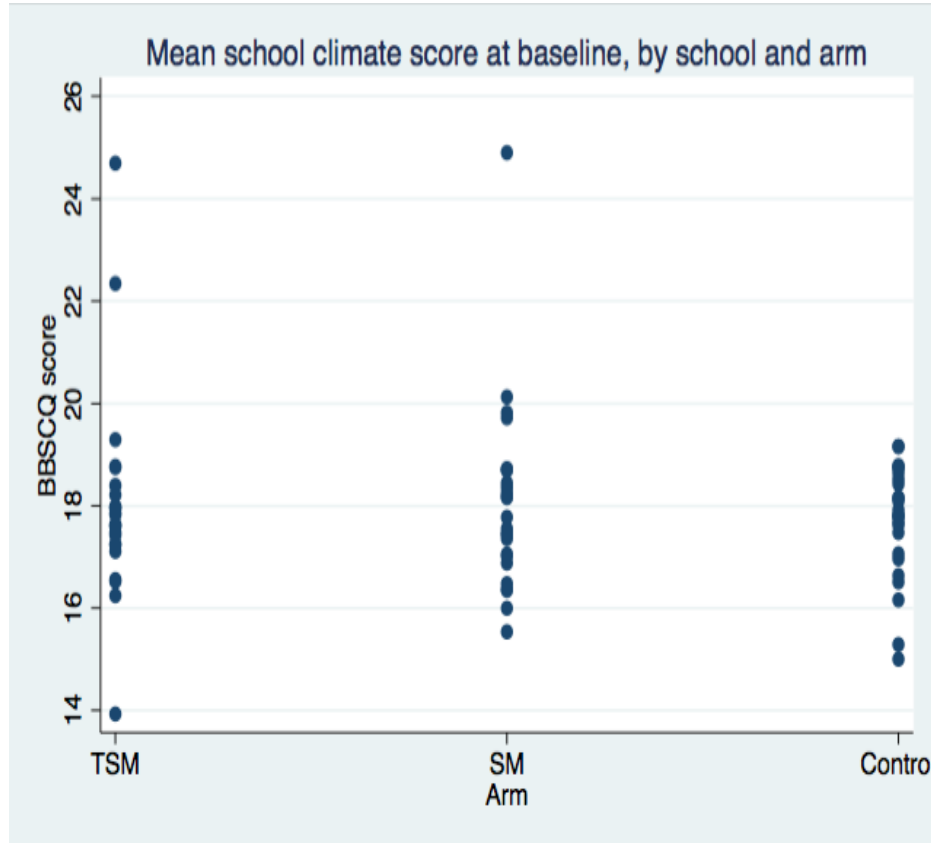
Subscale: Commitment (4 items)

- 1 I try hard in school
 - 3 Doing well in school is important to me
 - 7 Continuing or completing my education is important to me
 - 19 I feel like I am successful in this school
-

Subscale: Participation (6 items)

- 2 There are lots of chances for students at my school to get involved in sports, clubs and other activities outside class
 - 4 Teachers notice when students are doing a good job and let them know about it
 - 5 At my school, students have a lot of chances to help decide and plan things like school activities, events and policies
 - 12 Student activities at this school offer something for everyone
 - 13 Students have a say in decisions affecting them at this school
 - 14 Students at this school are encouraged to take part in activities, programs and special events
-

Supplement 2: Mean school climate score at baseline and end-point, by school and arm



Supplement 3: Intervention effects at 8 months on school climate, secondary and exploratory trial outcomes (boys only)

	SM vs Control		TSM vs Control		SM vs TSM	
	aMD ² (95%CI)	Effect size (SMD) (95%CI)	aMD (95%CI)	Effect size (SMD) (95%CI)	aMD (95%CI)	Effect size (SMD) (95%CI)
Primary outcome						
School climate	6.78 (5.15, 8.40)	1.55 (1.05, 2.05)	-0.07 (-1.74, 1.58)	-0.02 (-0.53, 0.50)	6.85 (5.21, 8.49)	1.57 (1.08, 2.06)
Secondary outcomes- continuous						
Depressive symptoms ^a	-1.23 (-2.12, -0.35)	-0.28 (-0.52, -0.03)	0.21 (-0.69, 1.11)	0.05 (-0.21, 0.30)	-1.45 (-2.34, -0.55)	-0.32 (-0.57, -0.08)
Attitude towards gender equity ^b	0.23 (0.01, 0.45)	0.14 (-0.01, 0.28)	0.17 (-0.04, 0.40)	0.10 (-0.05, 0.25)	0.05 (-0.16, 0.27)	0.03 (-0.11, 0.17)
Knowledge of RSH ^c	0.48 (0.17, 0.79)	0.25 (0.06, 0.44)	0.30 (-0.02, 0.62)	0.16 (-0.05, 0.36)	0.18 (-0.13, 0.50)	0.10 (-0.09, 0.28)
Frequency of bullying ^d	-0.80 (-1.05, -0.55)	-0.39 (-0.53, -0.25)	0.02 (-0.24, 0.29)	0.01 (-0.13, 0.16)	-0.83 (-1.09, -0.56)	-0.40 (-0.54, -0.27)
Secondary outcomes- binary: adjusted odds ratio (95% CI)^e						
Violence (victimization)	0.65 (0.46, 0.90)		1.16 (0.83, 1.62)		0.55 (0.39, 0.78)	
Violence (perpetration)	0.81 (0.53, 1.21)		1.51 (1.00, 2.29)		0.53 (0.35, 0.80)	
Exploratory outcomes: adjusted odds ratio (95%CI)						
Tobacco smoking	1.16 (0.69, 1.93)		0.74 (0.51, 1.07)		1.57 (0.90, 2.72)	
Tobacco chewing	1.12 (0.65, 1.91)		0.60 (0.33, 1.07)		1.85 (1.06, 3.22)	
Alcohol drinking	1.05 (0.62, 1.78)		0.80 (0.45, 1.43)		1.30 (0.75, 2.27)	
Other substance use	0.99 (0.72, 1.34)		0.74 (0.51, 1.07)		1.32 (0.93, 1.89)	
Sexual behaviour	1.55 (1.12, 2.15)		1.23 (0.87, 1.74)		1.25 (0.90, 1.73)	
Forced sex	1.27 (0.85, 1.90)		0.89 (0.57, 1.38)		1.42 (0.93, 2.17)	
Suicide attempt	0.85 (0.51, 1.41)		1.18 (0.70, 1.97)		0.72 (0.42, 1.22)	

Key:

- a. The more negative the score the lower the depressive symptoms.
- b. The more positive the score, the more the person's attitudes reflected gender equity.
- c. The more positive the score, the more person's knowledge of reproductive and sexual health.
- d. The more negative score, the lower the experience of bullying.
- e. If the aOR is < 1, the intervention is better than the comparison.

² Adjusted for: minimization variables, age, marital status, caste, parent's education, parent's occupation and baseline cluster-level score of respective outcome measure

Supplement 4: Intervention effects at 8 months on school climate, secondary and exploratory outcomes (girls only)

	SM vs Control		TSM vs Control		SM vs TSM	
	aMD ³ (95%CI)	Effect size (SMD) (95%CI)	aMD (95%CI)	Effect size (SMD) (95%CI)	aMD (95%CI)	Effect size (SMD) (95%CI)
Primary outcome						
School climate	8.21 (6.62, 9.81)	2.41 (1.86, 3.00)	-0.04 (-1.63, 1.70)	-0.01(-0.57, 0.59)	8.17 (6.57, 9.82)	2.42 (1.79, 3.05)
Secondary outcomes- continuous						
Depressive symptoms ^a	-1.48 (-2.34, -0.62)	-0.33 (-0.54, -0.11)	-0.19 (-1.09, 0.71)	-0.04 (-0.26, 0.18)	-1.29 (-2.18, -0.40)	-0.28 (-0.52, -0.05)
Attitude towards gender equity ^b	0.58 (0.33, 0.83)	0.35 (0.19, 0.52)	0.15 (-0.10, 0.41)	0.09 (-0.08, 0.26)	0.43 (0.17, 0.68)	0.26 (0.08, 0.44)
Knowledge of RSH ^c	0.23 (-0.05, 0.52)	0.13 (-0.05, 0.31)	0.003 (-0.31, 0.32)	0.00 (-0.18, 0.19)	0.23 (-0.07, 0.53)	0.13 (-0.07, 0.32)
Frequency of bullying ^d	-0.91 (-1.30, -0.53)	-0.51 (-0.76, -0.26)	-0.07 (-0.48, 0.34)	-0.04 (-0.29, 0.21)	-0.84 (-1.24, -0.44)	-0.47 (-0.74, -0.20)
Secondary outcomes- binary: adjusted odds ratio (95% CI)^e						
Violence (victimization)	0.57 (0.31, 1.02)		1.75 (0.97, 3.14)		0.32 (0.17, 0.59)	
Violence (perpetration)	0.59 (0.33, 1.04)		1.61 (0.91, 2.85)		0.37 (0.20, 0.65)	
Exploratory outcomes: adjusted odds ratio (95%CI)						
Tobacco smoking	0.56 (0.25, 1.23)		0.45 (0.19, 1.05)		1.23 (0.52, 2.91)	
Tobacco chewing	0.54 (0.29, 0.98)		0.49 (0.26, 0.93)		1.08 (1.07, 3.75)	
Alcohol drinking	0.53 (0.27, 1.03)		0.45 (0.21, 0.93)		1.18 (0.55, 2.49)	
Other substance use	0.64 (0.26, 1.57)		0.91 (0.35, 2.31)		0.70 (0.27, 1.78)	
Sexual behaviour	0.74 (0.49, 1.11)		1.01 (0.66, 1.53)		0.73 (0.48, 1.12)	
Forced sex	1.07 (0.68, 1.68)		1.06 (0.65, 1.74)		1.00 (0.62, 1.61)	
Suicide attempt	0.63 (0.29, 1.35)		0.95 (0.43, 2.10)		0.66 (0.28, 1.51)	

Key:

- a. The more negative the score the lower the depressive symptoms.
- b. The more positive the score, the more the person's attitudes reflected gender equity.
- c. The more positive the score, the more person's knowledge of reproductive and sexual health.
- d. The more negative score, the lower the experience of bullying.
- e. If the aOR is < 1, the intervention is better than the comparison.

³ Adjusted for: minimization variables, age, marital status, caste, parent's education, parent's occupation and baseline cluster-level score of respective outcome measure

Supplement 5: Intervention effects at 8 months on school climate and secondary trial outcomes who have completed both base- and end-point assessment (boys and girls combined)

	SM vs Comparison	TSM vs Comparison	SM vs TSM
N	(3609 vs 3192)	(3401 vs 3192)	(3609 vs 3401)
Primary outcome (aMD⁴ (95%CI))			
School climate	7.59 (6.08, 9.10)	-0.55 (-2.14, 1.03)	8.02 (6.42, 9.62)
Secondary outcomes- continuous (aMD (95%CI))			
Depressive symptom score ^a	-1.23 (-1.89, -0.57)	0.01 (-0.68, 0.70)	-1.23 (-1.91, -0.55)
Attitude towards gender equity ^b	0.42 (0.22, 0.62)	0.17 (-0.03, 0.38)	0.25 (0.04, 0.45)
Knowledge of RSH ^c	0.31 (0.07, 0.54)	0.08 (-0.17, 0.32)	0.23 (-0.01, 0.47)
Frequency of bullying ^d	-0.85 (-0.94, -0.75)	-0.08 (-0.02, 0.18)	-0.93 (-1.03, -0.82)
Secondary outcomes- binary: Odds ratio (95%CI)^e			
Incidence of violence (victimization)	0.63 (0.47, 0.85)	1.28 (0.95, 1.75)	0.48 (0.35, 0.67)
Incidence of violence (perpetration)	0.68 (0.49, 0.98)	1.39 (0.97, 1.99)	0.49 (0.34, 0.70)
Exploratory outcomes: Odds ratio (95% CI)			
Incidence of tobacco smoking	0.82 (0.50, 1.33)	0.50 (0.29, 0.85)	1.63 (0.96, 2.75)
Incidence of tobacco chewing	0.84 (0.52, 1.35)	0.47 (0.28, 0.80)	1.79 (1.07, 2.98)
Incidence of alcohol drinking	0.82 (0.46, 1.44)	0.58 (0.31, 1.06)	1.41 (0.77, 2.56)
Incidence of other substance use	0.81 (0.51, 1.29)	0.68 (0.41, 1.11)	1.19 (0.73, 1.95)
Incidence of sexual intercourse	1.10 (0.84, 1.42)	1.14 (0.87, 1.51)	0.95 (0.72, 1.25)
Incidence of forced sex	1.12 (0.80, 1.57)	0.98 (0.69, 1.41)	1.13 (0.79, 1.62)
Incidence of suicide attempt	0.80 (0.51, 1.28)	1.09 (0.68, 1.76)	0.73 (0.45, 1.20)

Key:

- a. The more negative the score, the lower the depressive symptoms.
- b. The more positive the score, the more the person's attitudes reflected gender equity.
- c. The more positive the score, the more person's knowledge of reproductive and sexual health.
- d. The more negative score, the lower the experience of bullying.
- e. If the aOR is < 1, the intervention is better than the comparison.

⁴ Adjusted for: minimization variables, age, gender, marital status, caste, parent's education, parent's occupation and baseline cluster-level score of respective outcome measure

Supplement 6: Cost estimate of SEHER interventions per school for trial period (in INR)

DESCRIPTIONS	SM (n=25)	TSM (n=24)
Administration cost		
Staff	16873	17576
Office Costs (equipment, furniture & recruitment costs)	3200	3334
Intervention Cost-Fixed		
Furniture and supplies	8282	8282
Training (venue, accommodation & per diem)	14202	6084
Intervention Costs-Recurring		
Personnel		
Intervention Coordinator (n=1) and Supervisors(n=8)	40710	42407
SEHER <i>Mitra</i> (salary + benefit)	114917	0
Intervention meeting costs (stationery, prizes, etc.)	4902	5047
Communication (mobile & Internet)	1958	1103
Supervision (monthly meeting)	202	2795
Supervision (on-site)	3591	3741
Total Cost Per School (INR)	208838	90367
Total Cost per School (USD)	3,213	1,390
Cost per Student (USD)	15.0	7.4