

School Infrastructure Facilities of KGBVs in Andhra Pradesh

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Abstract: Government of India to promote girl child education started KGBV (Kasturba Gandhi Balika Vidyalaya). The KGBV scheme would cover those hard to reach girls, belonging predominantly to the SC, ST, OBC and Minorities in difficult areas, those who cannot attend regular primary schools. The present paper is an evaluation study of KGBV infrastructure facilities. The school infra structure facilities like school building, water facilities, sanitation, food, medical, vocational facilities were evaluated with checklist and results were discussed.

Keywords: KGBVs, school infrastructure facilities

I. Introduction

Across India, particularly in rural societies, girls are not always educated and many have minimal understanding of their own rights. The national average shows that there are twice as many uneducated women as there are men across India and has some of the worst gender disparity issues in the world. It is estimated that girls average less than four years of education in a lifetime and 40% leave school before they reach the fifth grade.

This state of education stems from an array of interrelated factors that reduce access to, and retention in, schools. Rural communities are often completely unaware of the benefit or even concept of educating girls. For every 100 rural girls, only one reaches the 12th grade. With only 55% of schools in India having girls' toilets and only 42% of teachers being female, enrolling marginalized girls poses an immense challenge.

II. Schemes/Programs Exclusively For Women

The following schemes of Department of School Education & Literacy and Department of Higher Education are exclusively meant for women and under these schemes the entire funds are targeted for benefiting women:

National Programme for Education of Girls at Elementary Level (NPEGEL)

The NPEGEL under the existing scheme of SarvaShikshaAbhiyan (SSA) provides additional components for education of girls, underprivileged/disadvantaged at the elementary level. The Scheme is being implemented in Educationally Backward Blocks (EBBs) where the level of rural female literacy is less than the national average and the gender gap is above the national average, as well as in blocks of districts that have at least 5% SC/ST population and where SC/ST female literacy is below 10% based on 1991.

Kasturba Gandhi Balika Vidyalaya

The Government of India has approved a scheme called Kasturba Gandhi Balika Vidyalaya (KGBV) for setting up residential schools with boarding facilities at Upper Primary level for the girls belonging to the SC, ST, OBC and Minorities in difficult areas. The scheme will be coordinated with the scheme of SarvaShikshaAbhiyan, National Programme for Education of Girls at Upper Primary level and MahilaSamakhya (MS). The KGBV scheme would cover those hard to reach girls, belonging predominantly to the SC, ST, OBC and Minorities in difficult areas, those who cannot attend regular primary schools.

Objective: To study the facilities provided to the girl students by KGBV residential schools

Sample: 45 KGBVs in Telangana, 21 KGBVs in Andhra and 24 KGBVs in Rayalaseema

Tools: Checklist to study school infra structure facilities. To find out the existing infrastructure facilities of the schools studied an effort was made to develop the checklist by extensive review of literature

III. Results And Discussion

Table 1: School facilities in KGBVs of Andhra region

N=21

S.no	Facilities	RVM n=6			Social welfare n= 5			Tribal welfare n=6			Residential Society n=4		
		low	avg	good	low	avg	good	low	Avg	good	low	Avg	good
1.	School infrastructure												
a	Appropriate building	-	1(17%)	5(83%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
b	Compound wall & gate	2(33%)	2(33%)	2(33%)	2(40%)	2(40%)	1(20%)	1(18%)	3(50%)	2(32%)	1(25%)	2(50%)	1(25%)
c	Flooring	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
d	Well lighted & Ventilated class rooms	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
e	Furniture Benches, chairs, desks, lights, fans	-	1(17%)	5(83%)	2(40%)	2(40%)	1(20%)	3(50%)	3(50%)	-	-	2(50%)	2(50%)
2.	Water Facilities												
a.	Drinking water	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
b.	Bore well	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
3.	Sanitation												
a.	Clean toilets	-	1(17%)	5(83%)	-	3(60%)	2(40%)	-	4(66%)	2(34%)	-	4(100%)	-
b.	Proper napkin disposal	-	-	6(100%)	-	1(20%)	4(80%)	-	-	6(100%)	-	-	4(100%)
c.	Proper drainage	2(33%)	3(49%)	1(17%)	-	5(100%)	-	4(66%)	2(34%)	-	-	4(100%)	-
4.	Medical												
a.	Availability of doctor or nurse or ANM	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
b.	First aid	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
c.	Sick room	-	1(17%)	5(83%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
5.	Food facilities												
a.	Healthy diet	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
b.	Well maintained kitchen	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
c.	Groceries	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
6.	Extra curricular activities												
a.	Outdoor play	-	6(100%)	-	1(20%)	3(60%)	1(20%)	2(34%)	3(50%)	1(16%)	1(25%)	3(75%)	-
b.	Indoor play	-	6(100%)	-	-	3(60%)	2(20%)	2(34%)	3(50%)	1(16%)	1(25%)	3(75%)	-
c.	Dance	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
d.	Music	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
e.	Yoga	-	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)
f.	Karate	-	-	-	-	-	-	-	-	-	-	-	-
g.	Painting	-	-	-	-	-	-	-	-	-	-	-	-
7.	Vocational courses												
a.	Tailoring	2(33%)	3(50%)	1(17%)	-	-	-	-	-	-	-	-	-
b.	Embroidery	4(66%)	-	2(33%)	-	-	-	4(66%)	2(33%)	-	-	1(25%)	-

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c.	Candle making	-	-	-	-	-	-	-	-	-	-	-	-
d.	Bakery	-	-	-	-	-	-	-	-	-	-	-	-
e.	Computer courses	2(33%)	4(66%)	-	3(60%)	-	-	-	-	-	-	2(50%)	-
8.	Other facilities												
a.	Lab	-	1(17%)	5(83%)	-	5(100%)	-	-	6(100%)	-	-	4(100%)	-
b.	Library	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)	-
c.	Counseling	-	6(100%)	-	-	5(100%)	-	-	6(100%)	-	-	4(100%)	-
d.	Computers	-	-	6(100%)	-	5(100%)	-	-	6(100%)	-	-	4(100%)	-

School Infrastructure: All the selected KGBVs of Andhra region had appropriate building which was spacious, well lighted and ventilated classrooms, excepting 17 percent of RVM KGBV which were running in a rented building. Only 20-30 percent of KGBVs had proper compound wall with gate, while other were left half constructed due to lack of funds. Furniture like tables, benches, fans, desks, cupboards, lights and fans were found in 83 percent of RVM KGBVs while 17 percent KGBVs of RVM did not have proper furniture. In Social welfare managed KGBVs only 20 percent were having proper furniture, 40 percent were having average furniture, and 40 percent were not having proper furniture facilities. In Tribal welfare managed KGBVs it is found that 50 percent of them have average and 50% of them of poor furniture facilities. In KGBVs under Residential Societies fifty percent of them are having good furniture and 50% average furniture facilities

Water facilities: All the selected KGBVs had good drinking water facilities and bore water facilities for cleaning purpose.

Sanitation Facilities: In RVM managed KGBVs eighty three percent were having clean toilets where as 17 percent of them were having average maintained toilets. The situation is same in other KGBVs also, though there are enough number of toilets for all children, their maintenance is good only in 50 percent of visited KGBVs and in the remaining their maintenance is average. There is provision for proper napkin disposal but drainage facilities were ranging from poor to average in all the KGBVs visited. Most of the KGBVs in Andhra region had open drainage system.

Medical Facilities: All the selected KGBVs of Andhra region have ANM, sick room, first aid facilities

Food Facilities: All the selected KGBVs managed by different societies have excellent food facilities like healthy diet which is well balanced and carefully planned menu. All the selected KGBVs of Andhra region have good kitchen with storage facilities.

Extra Curricular activities: In RVM managed KGBV the outdoor and indoor play facilities were found to be average. In social welfare managed KGBVs 20 percent had good out door and indoor play facilities and 40 percent had average and 20 percent had poor out door and indoor play facilities. In Tribal welfare managed KGBVs only 16 percent had good out and indoor play facilities, 50 percent of them had average play facilities and 34 percent of them had poor out door and indoor facilities. In Residential Societies managed KGBVs 75 percent had average out and indoor play facilities and 25 percent of them had poor indoor and outdoor play facilities. In all the visited KGBVs of Andhra region all the students enthusiastically sang in groups and given dance performances. Even though there was no formal training for them in music and dance, many of them performed. They were given training at school level in music and dance during special occasion like school anniversaries and national festivals. It is observed that music and dance or any other activities like painting, karate etc are not included as a part of curriculum and there were no special instructors to train them in the said activities.

Vocational courses: Of all the KGBVs visited it is found that only in 50% of RVM managed KGBVs having tailoring and embroidery activities under vocational training, but it was found in average level. In Tribal welfare managed KGBVs there was embroidery training. In all the visited KGBVs only 50% were training the students in computer course.

Other facilities: In all the selected KGBVs of Andhra region have lab, library, computer with net connectivity facilities. But these facilities are rated as average level because of the usage they are put to. Books in library

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were found unused locked in cupboards. Interestingly it was observed that many of the students do not have basic knowledge of computers

Table 2: School facilities in KGBVs of Rayalaseema region N=24

MANAGEMENT													
S. no	Facilities	RVM n= 8			Social welfare n=6			Tribal welfare n=5			Residential n=5		
		low	avg	good	low	avg	good	low	Avg	good	low	avg	good
1. School infrastructure													
a	Appropriate building	-	1(14%)	7(85%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
b	Compound wall & gate	-	2(28%)	6(71%)	-	1(16%)	5(84%)	-	-	5(100%)	-	-	5(100%)
c	Flooring	-	-	7(100%)	-	-	6(100%)	-	-	4(100%)	-	-	5(100%)
d	Well lighted & Ventilated class rooms	-	1(14%)	7(85%)	-	-	6(100%)	-	-	4(100%)	-	-	4(100%)
e	Furniture Benches, chairs, desks, lights, fans	-	1(14%)	7(85%)	-	1(16%)	5(84%)	2(50%)	2(50%)	-	1(25%)	2(50%)	1(25%)
2. Water Facilities													
a.	Drinking water	-	-	8(100%)	-	-	6(100%)	-	-	4(100%)	-	-	4(100%)
b.	Bore well	-	-	8(100%)	-	-	6(100%)	-	-	4(100%)	-	-	4(100%)
3. Sanitation													
a.	Clean toilets	-	5(60%)	3(40%)	-	3(50%)	3(50%)	3(75%)	1(25%)	-	1(25%)	3(50%)	1(25%)
b.	Proper napkin disposal	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
c.	Proper drainage	1(14%)	5(58%)	2(28%)	2(33%)	2(33%)	2(33%)	2(50%)	2(50%)	-	2(25%)	3(75%)	-
4. Medical													
a.	Availability of doctor or nurse	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
b.	First aid	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
c.	Sick room	-	1(14%)	7(86%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
5. Food facilities													
a.	Healthy diet	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
b.	Well maintained kitchen	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
c.	Groceries	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
6. Extra curricular activities													
a.	Outdoor play	2(20%)	3(40%)	3(40%)	2(16%)	5(84%)	-	1(25%)	2(25%)	2(50%)	-	2(50%)	2(50%)
b.	Indoor play	-	4(60%)	3(40%)	1(16%)	5(84%)	-	2(25%)	3(75%)	-	-	2(50%)	3(50%)
c.	Dance	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
d.	Music	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
e.	Yoga	-	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)
f.	Karate	-	-	-	-	-	-	-	-	-	-	-	-
g.	Painting	-	-	-	-	-	-	-	-	-	-	-	-
7. Vocational courses													
a.	Tailoring	-	-	-	-	-	-	-	-	-	-	-	-
b.	Embroidery	-	5(71%)	-	-	-	-	1(25)	3(75%)	-	-	2(50)	-

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	dery												
c.	Candle making	-	-	-	-	-	-	-	-	-	-	-	-
d.	Bakery	-	-	-	-	-	-	-	-	-	-	-	-
e.	Computer courses	-	4(60%)	-	-	5(84%)	-	-	3(75%)	-	-	3(75%)	-
8.	Other facilities												
a.	Lab	2(16%)	6(84%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)	-
b.	Library	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)	-
c.	Counseling	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)	-
d.	Computers	-	8(100%)	-	-	6(100%)	-	-	5(100%)	-	-	5(100%)	-

School Infrastructure: In the visited schools of Rayalaseema RVM KGBVs 84 percent were having appropriate building which was safe and secured for the girls and 16 percent were being run rented building where the building was rated as average. In other KGBVs managed by Social Welfare, Tribal Welfare and Residential Society all (100%) had appropriate building. As it is a girls hostel it becomes very necessary and important to have high compound wall with appropriate gate, in the visited KGBVs, RVM managed KGBVs 71% had good compound wall and in 28 percent KGBVs compound wall was average. In Social welfare managed KGBVs 84 percent had good compound wall. In other KGBVs managed by Tribal Welfare and Residential Society had good compound wall. In all the selected KGBVs the flooring is found to be good. In RVM managed KGBV 85 percent classrooms were well maintained with proper lighting and ventilation, only 16 percent were having average level of light and ventilation because they run in rented building. In other KGBVs managed by Social Welfare, Tribal Welfare and Residential Society have good ventilation and light. In RVM managed KGBVs 85 percent were having good furniture like required number of benches, tables, desks, cupboards and in 14 percent this facility was found to be average. In social welfare managed KGBVs also it was found that 84percent were having good and 16 percent were having average level of furniture. In tribal welfare managed KGBVs 50 percent were having average and remaining 50 percent did not have good furniture. In Residential society managed KGBV 50 percent of them were having average and 25 percent poor and 25 percent good furniture.

Water Facilities: In all the selected KGBVs of Rayalaseema managed by different societies, it was found having good drinking water and bore water facility.

Sanitation Facilities: In Rayalaseema selected KGBVs managed by RVM 40 percent had well maintained and clean toilets and 60 percent had average maintained toilets. In Social Welfare managed KGBVs 50 had good and 50% were average in clean toilet facilities. In tribal welfare managed KGBVs 75 percent of them were having poorly maintained and 25percent average maintained toilets. In residential society managed KGBVs 50 percent were having average and 25percent poor , 25% good rated toilets. All the selected schools had proper napkin disposal facility. And drainage facility is found to be average in all visited schools as they have open drainage system which runs at the back of schools away from the premises still is not good.

Extra Curricular activities: In RVM managed KGBVsthe outdoor and indoor play facilities were found to be average. In social welfare managed KGBVs 20 percent had goodout door and indoor play facilities and 40 percent had average and 20 percent had poor out door and indoor play facilities. In Tribal welfare managed KGBVs only 16 percent had good out and indoor play facilities, 50 percent of them had average play facilities and 34% of them had poor outdoor and indoor play facilities. In Residential Societies managed KGBVs 75percent had average out and indoor play facilities and 25 percent of them had poor indoor and outdoor play facilities. In all the visited KGBVs of Andhra region all the students enthusiastically sang in groups and given dance performances. Even though there was no formal training for them in music and dance, many of them performed. They were given training at school level in music and dance during special occasion like school anniversaries and national festivals. It is observed that music and dance or any other activities like painting, karate etc are not included as a part of curriculum and there were no special instructors to train them in the said activities.

Vocational courses: Of all the KGBVs visited it is found that only in 50% of RVM managed KGBVs having tailoring and embroidery activities under vocational training, but it was found in average level. In Tribal welfare managed KGBVs there was embroidery training. In all the visited KGBVs only 50% were training the students in computer course.

Other facilities: In all the selected KGBVs of Andhra region have lab, library, computer with net connectivity facilities. But these facilities are rated as average level because of the usage they are put to. Books in library were found unused locked in cupboards. Interestingly it was observed that many of the students do not have basic knowledge of computers

IV. Conclusion

KGBVs are found mostly in the outskirts of village. Most of KGBVs managed by RVM, Social Welfare, Tribal welfare, Residential Society have spacious buildings with greenery. All the classrooms are well lighted and ventilated. Most of KGBVs are well furnished with required chairs, tables, desks, cupboards etc. These facilities were not found only in few (10%) KGBV which were running in rented building. It was very encouraging to note from the study that all KGBVs visited had good drinking and bore water supply. All the selected KGBVs have sufficient wash areas for their students, but the maintenance of them is not satisfactory. Another important finding of the study was the drainage facilities were not upto the mark. In most of the KGBVs open drainage was found. As KGBVs were located on the outskirts of village, they conveniently throw the wastage and let the drain water flow in the back yards.

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