

# PRIVATE SECONDARY EDUCATION AUTHORITY

## MONITORING OF NORMS AND STANDARDS IN A FACILITY RECKONED AS:

### **AGRICULTURE GARDEN UP TO GRADE 9 – Year 2021/2022**

#### **Subject Appellation and Level:**

- **AGRICULTURE – Up to Grade 9 & 9+(EP) – optional - NCF**

Name of School : \_\_\_\_\_

No. of Agriculture Gardens at school : \_\_\_\_\_ Garden being monitored : \_\_\_\_\_

Date of Verification : \_\_\_\_\_ Is facility New / Relocated / Existing ? \_\_\_\_\_

Number of sections and students using this facility:

<b>Grade</b>	<b>No. of Sections</b>	<b>No. of Students</b>	<b>No. of Groups</b>
EP 7			
EP 8			
EP 9			
EP 9+			
Reg. 7			
Reg. 8			
Reg. 9			

Educator in Charge: \_\_\_\_\_ Qualifications: \_\_\_\_\_

#### **IMPORTANT NOTES:**

The following conditions should be fulfilled to ensure a reasonable standard:

- A plot of land of the required size should be provided for the Garden.
- A minimum score of 75 % should be obtained in each of the four Sections A to D.
- Compulsory items in Section D, highlighted in bold characters, should be provided.
- Record of use of the Garden should be kept as required.

Minimum requirements for a class of 20 students are specified. However, in case of need provision should be made to accommodate up to 4 additional students.

**(A) PHYSICAL FACILITIES – weightage 30%**

Item	Description	Requirements	Marks Per Unit	Marks Item-wise	Existing	Score (for PSEA use only)	
<p><b>1. Plot of Land</b></p> <p><b>NOTES:</b></p> <p>i) For existing Gardens the previously approved Land Area shall be accepted and rated pro-rata.</p> <p>ii) For new Gardens the required area of 75 m<sup>2</sup> should be provided.</p>	<p><b>Plot should be preferably within school compound or readily accessible.</b></p> <p><b>CONDITIONS OF LAND:</b></p>	An area of 75 m <sup>2</sup> is required.	12	900			
					300		
		<b>Topography</b>	Neither water retaining nor water-draining	10%	<b>(Marks on conditions pro-rata on area)</b>		
		<b>Shape</b>	Ideally square or rectangular	10%			
		<b>Soil Quality</b>	De-rocking performed	10%			
		<b>Fencing</b>	Height 1.5m Good Condition	5%			
				5%			
		<b>Cleanliness</b>	Free from garbage/ dry leaves/ unwanted materials	10%			
		<b>Organisation</b>	Distinct vegetable beds Well labelled	10%			
				5%			
<b>Access</b>	Pathways Guiding signs	5%					
		5%					
<b>Decoration</b>	Flowers, Decorative plants, etc.	10%					
<b>Watering</b>	Water Tank (with cover) Water sprayer Watering cans	15%					

<b>2. Garden Store</b>	<b>Store may be in the Garden but area is not reckoned as part of the Garden</b>	A min. floor area of 10 m <sup>2</sup> is required	45	450			
	<b>CONDITIONS:</b>			150			
	<b>Structure</b>	Well-built	15%	<b>(Marks on conditions pro-rata on area)</b>			
	<b>Access</b>	Accessible entrance door	15%				
	<b>Lighting</b>	Natural/asstd	15%				
	<b>Ventilation</b>	Natural	15%				
	<b>Organisation</b>	Locker for chemicals	10%				
		Racks for tools	10%				
	<b>First-Aid Kit</b>	Well-furnished	15%				
	<b>Cleanliness</b>	Well-maintained	5%				
			<b>Total Section A</b>		<b>1 800</b>		

**(B) RECORDS & REFERENCE MATERIALS -**

<p><b>3. Practicals</b></p> <p>Number of Sessions In the Garden</p>	<p><b>20 practical sessions per class in the academic year spread over all three school terms.</b></p> <p><i>(Records to be kept class-wise and signed by teachers)</i></p>	20	45	900	<p><i>Average for all sections reckoned:</i></p> <p>-----</p>	-----
<p><b>GRADE</b></p>	<p><b>Extended Program</b></p> <p>7    8    9    9+</p>	<p><b>Regular</b></p> <p>7                    8                    9</p>				
<p><b>Class/Group A</b></p>						
<p><b>B</b></p>						
<p><b>C</b></p>						
<p><b>D</b></p>						
<p><b>E</b></p>						
<p><b>Total</b></p>						
<p><b>NOTE: Reckoned pro-rata for the current academic year - max. 20 per class or group on 8.5 months.</b></p>						
<p><b>4. Audio Visual Lessons</b></p> <p><i>(Records to be kept class-wise.)</i></p>	<p>10 lessons per class over a period of 12 months (Video lessons, Computer Assisted Learning)</p>	10	40	400	<p><i>Average for all sections reckoned:</i></p> <p>-----</p>	-----
<p><b>GRADE</b></p>	<p><b>Ext. Prg.</b></p> <p>7    8    9    9+</p>	<p><b>Regular</b></p> <p>7                    8                    9</p>				
<p><b>Class/Group A</b></p>						
<p><b>B</b></p>						
<p><b>C</b></p>						
<p><b>D</b></p>						
<p><b>E</b></p>						
<p><b>Total</b></p>						
<p><b>NOTE: Reckoned pro-rata for the current academic year - max. 10 per class or group on 8.5 months.</b></p>						
<p><b>5. Time-Table of practicals</b></p>	<p>Kept in Practical Record Book (bearing school seal and dated)</p>	1	75	75		
<p><b>6. Stock-Book</b></p>	<p>Up to date, signed, with school seal. (New acquisitions highlighted)</p>	1	125	125		
<p><b>7. Reference Documentation</b></p>	<p>Relevant books/booklets/leaflets published in the field of agriculture</p>	3	100	300		
			<p><b>Total Sect. B</b></p>	<p><b>1 800</b></p>		

**(C) CROPS – weightage 10%**

Item	Description	Requirements	Marks per Unit	Max. Marks	Existing	Score <i>(For PSEA use only)</i>
<b>Varieties of crop</b>	<b>Group A : Legumes</b> e.g. <ul style="list-style-type: none"> <li>• Groundnuts</li> <li>• Beans</li> <li>• Peas</li> </ul>	<p><b>Any <u>four</u> crops from any <u>four</u> groups of crops A to F at any time.</b></p> <p><i>(i.e. 1 crop per group from any 4 groups)</i></p>	150 marks per crop	150 marks per group		
	<b>Group B : Creepers</b> e.g. <ul style="list-style-type: none"> <li>• Cucumber</li> <li>• Pumpkin</li> <li>• Squash (patisson)</li> </ul>		“	“		
	<b>Group C : Root Crop</b> e.g. <ul style="list-style-type: none"> <li>• Carrot,</li> <li>• Beetroot,</li> <li>• Radish</li> </ul>		“	“		
	<b>Group D : Leafy Crop</b> e.g. <ul style="list-style-type: none"> <li>• Lettuce,</li> <li>• Cabbage,</li> <li>• Coriander,</li> <li>• Mustard (Brede Chinois)</li> </ul>		“	“		
	<b>Group E : Fruit Crop</b> e.g. <ul style="list-style-type: none"> <li>• Tomato,</li> <li>• Brinjal,</li> <li>• Ladies’ Finger,</li> <li>• Chillies</li> </ul>		“	“		
	<b>Group F : Others</b> e.g. <ul style="list-style-type: none"> <li>• Onion,</li> <li>• Garlic,</li> <li>• Potato,</li> <li>• Cauliflower</li> </ul>		“	“		
			<b>Total Section C</b>	<b>600</b>		

**(D) EQUIPMENT AND CONSUMABLES – weightage 30 %**

Item	Description	Quantity required	Marks per unit	Marks item-wise	Existing	Score (For PSEA use)
1.	Forks	5	8	40		
2.	Rakes	5	8	40		
3.	Trowels	5	8	40		
4.	Spade	1	40	40		
5.	Wheelbarrow	1	40	40		
6.	Hand-forks	5	8	40		
7.	Grafting Knife	2	20	40		
8.	Secateur	1	40	40		
9.	Watering Can	5	12	60		
10.	Hose - min. 10 m long	10m	4	40		
11.	Hoes	5	12	60		
12.	Rain Gauge	1	20	20		
13.	Weather Cock	1	20	20		
14.	Thermometer 0 – 100° C	1	20	20		
15.	Butterfly Net	1	20	20		
16.	Sprayer (manual or other)	1	60	60		
17.	Sieves (different sizes)	1	20	20		
18.	Scale Balance	1	20	20		
19.	Crow Bar	1	20	20		
20.	Insect Mounting Board	1	20	20		
21.	Bush Knife/Panga	1	40	40		
22.	Pick Axe	1	40	40		
23.	Hammer	1	60	60		
24.	Shears (Cisaille)	1	40	40		
25.	Pliers	1	20	20		
26.	File	1	20	20		
27.	Scrapper (grate)	5	8	40		
28.	Ficelle (gardens string)	1 spool	60	60		
29.	Rattan/Plastic Basket	5	12	60		
	<b>CHEMICALS</b>		<b>Marks per 100g/per kg</b>			
30.	<b>Pesticides - CAUTION: To be used under strict teacher supervision. To be stored under lock and key in the Garden Store.</b>					
i	Insecticides	200g	30	60		
ii	Anticides	200g	30	60		
iii	Snail bait	200g	30	60		
iv	Fungicide	200g	30	60		
v	Herbicide	200g	30	60		
31.	<b>Fertilisers</b>					
i	Chemicals	2kg	30	60		
ii	Compost/Natural Manure	1 ton	0.06	60		
			<b>Sub-Total Section D</b>	<b>1 500</b> (excluding conditions)		

## CRITERIA FOR MARKING CONDITIONS & QUALITY OF EQUIPMENT AND CONSUMABLES

	CRITERIA	MAX. MARKS	RATING ON A SCALE 1 TO 10	SCORE (as per rating given)
1.	Conditions and quality of equipment and consumables	150		
2.	Maintenance and quality of crops	150		
	<b>TOTAL</b>	<b>300</b>		

## MARK SCHEME AND SCORE

SECTION	WEIGHTAGE	TOTAL MARKS	MARKS SCORED	% SCORE SECTION-WISE
<b>A. Physical Facilities</b>	30%	<b>1 800</b>		
<b>B. Records &amp; Reference Materials</b>	30%	<b>1 800</b>		
<b>C. Crops</b>	10%	<b>600</b>		
<b>D. Equipment and Consumables</b>	30%	1 500 + 300 (conditions) = <b>1 800</b>		
<b>OVERALL</b>	<b>100%</b>	<b>6000</b>		

**REMARKS AND SHORTCOMINGS**

*(With particular reference to conditions at page 1 and score obtained)*

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Signature of PSEA Supervisor / Senior Supervisor (s)

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Signature of Manager

Date: -----

Date:-----