



**Activity 2: Saafu Raajje School 3R Competition**  
**Guidance Note**  
**3R Day 2017 (16 August)**

Background	<p>During the 2015 Regional 3R Forum for Asia and the Pacific, hosted in the Maldives, it was announced that every year, 16<sup>th</sup> August will be marked as the “National 3R day”. This year marks the second year to commend the day at a national level.</p> <p>Lack of awareness among the general population is an impeding barrier, to bring a transformational change in proper waste management practices and habit. To address this gap, the activities planned for this year is targeted towards building the interest of students, as they are the future generation.</p> <p>In this regard, 3R day activities 2017 will focus on reaching the student population in the Maldives. It is estimated:</p> <ul style="list-style-type: none"> <li>• The event will directly reach 87,766<sup>1</sup> students.</li> <li>• This initiative would indirectly impact 263,298 individuals, covering more than half of the population<sup>2</sup>.</li> </ul>
Purpose	<p>This competition will enable schools to instigate the habit of practicing 3Rs , contributing to better waste management and enhanced recycling efforts, by applying their creative skills to develop projects on the theme <b>Reduce, Reuse and Recycle (3R)</b></p>
Objectives	<ul style="list-style-type: none"> <li>• To take individual responsibility towards minimizing waste generation and against public littering</li> <li>• To instigate the habit of practicing 3R principles in their daily life</li> <li>• To make people aware on the health impacts caused due to mismanagement of waste</li> <li>• To understand possible economic opportunities within waste management</li> </ul>
Concept	<p>In this competition, the student/s are required to do a project on the theme <b>Reduce, Reuse and Recycle (3R)</b>. Unlike other competitions, the method used for submission is different, as ONLY photo(s) of the project are required to be submitted through an online portal. Students can participate in the competition by submitting projects as an individual or as a group. All projects must be registered and submitted through the school. Upon registration for the competition each school will be provided with a link to access a cloud storage for uploading the project files. Details will be sent to the registered email address once the registration forms are processed.</p>

<sup>1</sup> School Statistics 2016, Ministry of Education

<sup>2</sup> According to census 2014, the resident population is 402,071 for the Republic.

	<p>As the method chosen for submission is electronic, the following are outlined for reference:</p> <ol style="list-style-type: none"> <li>1. <b>Registration Form (Annex 2):</b> Schools must express their interest by submitting this Form on or before 13<sup>th</sup> July 2017 (Thursday) 14:00hrs. A separate form needs to be submitted for each individual or group/s that will participate. Only the student/s registered via the school by this deadline will be able to participate in the competition.</li> <li>2. <b>Project Development (Refer to Photo Specification in Annex 4):</b> This stage is after registration and before final submission. The purpose of sharing the photos of various stages of the project development is to follow the progress and techniques involved to make the final product. Upon registration for the competition each school will be provided with a link to access a cloud storage for uploading the project files. Details will be sent to the registered email address once the registration forms are processed. The School Focal point will be responsible to upload the photo(s) accordingly. The projects with incomplete progress photos will be disqualified.</li> <li>3. <b>Final Submission Form (Annex 3):</b> This is the last stage. This will be the submission of the final product. Required supporting documents along with the form: <ul style="list-style-type: none"> <li>- Completed and stamped <b>Final Submission Form</b> by the school</li> <li>- Photo(s) of the final product.</li> </ul> Refer to Annex 4 for further details on photo specification. All schools must submit this form with photo(s) of the final project by 8<sup>th</sup> August (Tuesday), 22:00hrs. Participation in the competition will be completed once this form has been submitted before the deadline along with the supporting documents. Any school that is unable to do so will not be eligible for Final Assessment of projects.</li> </ol>
Eligibility	<ul style="list-style-type: none"> <li>- Open for all registered schools in the country. Electronic application should be submitted through the respective school to <a href="mailto:waste@environment.gov.mv">waste@environment.gov.mv</a></li> <li>- The project should be made utilizing only used materials</li> <li>- In order to participate in the competition, Schools must Register by submitting the Registration Form (Annex 2)</li> <li>- Each stage of the project development should be submitted to the online portal. For details refer to Terms and Conditions (Annex 1).</li> <li>- The final product must be submitted along with the Final Submission Form.</li> </ul>

	<ul style="list-style-type: none"> <li>- Practical work of the project should be carried out by the student/s themselves whilst guidance &amp; advice from teachers, management and parents is acceptable</li> </ul>
Categories	<p>The categories for school representation are as follows:</p> <ul style="list-style-type: none"> <li>▪ Nursery and Pre-Schools</li> <li>▪ Primary and Secondary Schools</li> <li>▪ Higher Secondary Schools</li> </ul>
Project Thematic Area	<p>The project should reflect the topic “Reduce, Reuse, Recycle”. Student/s can learn more by reading “<b>What is 3R?</b>” in <b>Annex 5</b>.</p>
Deadlines	<ol style="list-style-type: none"> <li>1. <b>Registration:</b> 13<sup>th</sup> July 2017 (Thursday) 14:00hrs</li> <li>2. <b>Final submission:</b> 08<sup>th</sup> August 2017 (Tuesday), 22:00hrs</li> </ol>
Judging Criteria	<ul style="list-style-type: none"> <li>- <b>Innovation:</b> (15%) This criteria would be judged based on whether the project demonstrate a new idea, method or device to achieve the purpose of the competition.</li> <li>- <b>Creativity:</b> (20%) This criteria is assessed how much the project demonstrate creative use of waste in making the new idea into a reality.</li> <li>- <b>Usability:</b> (25%) This criteria is assessed on how the Final Product could be utilized in daily life? Or how much the useful life of the waste is extended by utilization of the product by the general public</li> <li>- <b>Waste Minimization:</b> (25%) This criteria is judged on how the project idea contribute to minimization of waste within the community</li> <li>- <b>Quality and workmanship:</b> (15%) This criteria is judged based on the amount of effort has been put in to the quality and finishing of the Product.</li> </ul>
Prizes	<p>Prizes will be awarded as follows:</p> <ul style="list-style-type: none"> <li>* Grand Prize: Prize Money worth MVR 25,000, Plaque (best project from all categories)</li> <li>* Gold Prize: Prize Money worth MVR 15,000, Plaque (one from each category)</li> <li>* Silver Prize: Prize Money worth MVR 10,000, Plaque (one from each category)</li> <li>* Bronze Prize: Prize Money worth MVR 5,000, Plaque (one from each category)</li> </ul> <p>* Top winning entries will be published in the Ministry of Environment and Energy’s, Official Newsletter PEMPHIS August 2017 Issue</p>
Terms and Condition	<p>All the Student/s must comply with the terms and conditions of the competition stated in <b>Annex 1</b>.</p>
Submission	<ul style="list-style-type: none"> <li>- <b>Registration Form (Annex 2):</b> Schools must register by 13<sup>th</sup> July 2017 (Thursday) 14:00hrs by emailing the registration form to</li> </ul>

	<p><a href="mailto:waste@environment.gov.mv">waste@environment.gov.mv</a> . Only the Schools registered by this deadline will be able to participate in the competition.</p> <ul style="list-style-type: none"> <li>- <b>Project Development (Annex 4):</b> After registration, MEE will provide each school with the details of the destination folder to upload photo(s) during this phase.</li> <li>- <b>Final submission Form (Annex 3):</b> This will be the submission of the final product. Required supporting documents along with the Final Submission Form: <ul style="list-style-type: none"> <li>- Completed and stamped form by the school</li> <li>- photo(s) of the final product</li> </ul> </li> </ul> <p>All schools must submit this form along with the supporting documents by 08<sup>th</sup> August 2017 (Tuesday), 22:00hrs to <a href="mailto:waste@environment.gov.mv">waste@environment.gov.mv</a></p> <ul style="list-style-type: none"> <li>- Before submission of any documents the Student/s should agree to the terms and conditions of the competition (<b>Annex 1</b>) Projects submitted with incomplete documentations will not be eligible for Final Assessment of projects.</li> </ul>
Enquiries	<p>For further information and enquiries, Please email: <a href="mailto:waste@environment.gov.mv">waste@environment.gov.mv</a> Contact Person/Number: Aishath Rashfa, 3018368 (official working hours) Contact Person/Number: Munaz Mubarik, 7707600 (official working hours) Contact Person/Number: Aminath Shaliny, 9762172 (after working hours, weekdays only)</p>

## Annex1: Terms and Conditions

### Saafu Raajje 3R School Competition

1. The following are the deadlines for the competition:
    - (i) **Registration:** 13<sup>th</sup> July 2017 (Thursday) 14:00hrs
    - (ii) **Final submission:** 08<sup>th</sup> August (Tuesday), 22:00hrs
  2. The submission of the project related documents and photo(s) can be accepted only electronically.
  3. There **three key stages** in this competition:
    - (i) **Registration (Annex 2):** The schools need to express their interest to participate in the competition. A separate form needs to be submitted for each individual or group/s that will participate. Important documents required are the completed and stamped Registration Form (Annex 2) agreeing to the terms and conditions of the competition.
    - (ii) **Project development (Annex 4):** This stage is after registration and before final submission. The purpose of sharing the photos of various stages of the project development is to follow the progress and techniques involved to make the final product. Refer to Annex 4 for the details of photos required during this stage.
    - (iii) **Final submission form (Annex 3):** This is the last stage. This will be the submission of the final product.

Required supporting documents along with the form:

      - Completed and stamped **Final Submission Form** by the school
      - Photo(s) of the final product. Refer to Annex 4 for further details on photo specification.
- \* The projects submitted with inadequate documentation during any phase of the competition will not be eligible for final project assessment.
4. All the winning projects will be published in the Ministry of Environment and Energy's, Official Newsletter PEMPHIS August 2017 Issue
  5. Practical work of the project should be carried out by the student/s themselves whilst guidance & advice from teachers, management and parents is acceptable.
  6. All photos of the completed projects must be taken in colour (RGB) mode and submitted in JPG format. The image size of the photos must be no more than 2000 pixels in the long direction and have an image size no larger than 2MB (the amount of disk space it occupies). Basic editing, limited to photo(s) enhancement, the use of filters, and cropping of the Photo(s) is acceptable, provided any such editing does not affect the authenticity and genuineness of the Photo(s). Any photo(s) found to be edited/ manipulated beyond the above scope will be disqualified. For additional information refer to Annex 4  
Equipment used for photography does not require to be of professional standard. Any camera, smartphone, tablet or any other type of photography devices to capture the different stages of the project will be acceptable.
  7. All materials used for the project should be reused materials or materials that would otherwise end up in the waste stream
  8. The competition will be judged by a panel of judges from Ministry of Environment and Energy
  9. The judging panel reserves the right to disqualify any entries not meeting the competition guidelines or feels the subject matter is inappropriate for public viewing.
  10. The judging panel reserves the right to disqualify any entries which seems to be the work of another person other than the Student/s

11. By entering this contest, the Student/s consents to the use if his/her name, and/or project in any merchandise, advertisement, educational materials or publicly carried out by the Ministry of Environment and Energy in its advertising and promotional materials without further notice or compensation. Ministry if Environment and Energy can publish or decline to publish, or use or decline to use, any submissions at Ministry of Environment and Energy's sole discretion.
12. The Ministry of Environment and Energy's rulings are final and without appeal in all matters related to this competition and the awarding of the prizes.
13. All entries become the intellectual property of the Ministry if Environment and Energy and will not be returned.
14. All Students are encouraged to link the project to the related Sustainable Development Goal (SGD). To learn more about SDGs follow the link below. To know which goal is related to the project check the indicators. <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

**Annex 2: Registration Form**  
**Saafu Raajje 3R School Competition**

Title of Project:				
<b>Information of the Student/s</b>				
Name	Address	Contact Number	Email address	ID card Number
1.				
2.				
3.				
4.				
5.				
6.				
7.				
<b>Category</b>				
Kindergarten to Pre-School		Primary and Secondary		Higher Secondary
Name of the School:				
Island / Atoll:				
<b>Contact Person</b>				
Name	Designation	Contact Number	Email address	

\* This form should be submitted to [waste@environment.gov.mv](mailto:waste@environment.gov.mv) by latest 13<sup>th</sup> July 2017 (Thursday) 14:00hrs.

School Stamp

\_\_\_\_\_  
Signature

Annex 3: Final Submission Form  
Saafu Raajje 3R School Competition

Code:
Title of Project:
Name of School:
Island / Atoll:
<b>Project Description (maximum 150 words)</b>
<b>Intended Purpose (maximum 50 words)</b>
<b>Materials Used</b>
<b>Sustainable Development Goal (SDG)</b>
Check the box which is most appropriate to the project ( to learn more follow the link : <a href="https://sustainabledevelopment.un.org/sdgs" style="color: orange;">https://sustainabledevelopment.un.org/sdgs</a> )
<input type="checkbox"/> SDG 11: Sustainable Cities and Communities <input type="checkbox"/> SDG 12: Responsible Consumption and Production <input type="checkbox"/> SDG 14: Life below Water <input type="checkbox"/> Others: Please Specify _____
<b>School Pledge</b>
I hereby declare that the above mentioned submitted project is: <ul style="list-style-type: none"> <li>- Original</li> <li>- Used by waste products</li> <li>- Made by student themselves</li> </ul> In addition, on behalf of the school (Name of the School/Island/Atoll), I hereby commit to work towards educating and maintaining proper waste management habits through the principles of Reduce, Reuse and Recycle (3R).

Note: Please submit this form in Word format  
This form should be submitted to [waste@environment.gov.mv](mailto:waste@environment.gov.mv) by latest 08<sup>th</sup> August 2017 (Tuesday) 22:00hrs.

(Signature and Stamp of school)



## Annex 4: Photo Specification

### Saafu Raajje 3R School Competition

This section is developed as a guide for the photo submission required at various stages. This will detail out when the participants must share their photos; the quantity, how often, resolution, format and other necessary information regarding the photos. Please refer the specifications while uploading, photos during project developmental stage and final submission.

#### 1. Project Development

Once the registration is processed, the participating individual or group will be given a code. This code will be passed to the student/s through the school focal point. Once they receive the code, the student/s can begin the practical work. The purpose of sharing the photos of various stages of the project development is to follow the progress and techniques involved to make the final product.

Requirements are defined below:

When to share	What to share
Before starting the project	A single photo (1) that shows all the materials used in the project.
At the beginning of the project	Two photos (2) showing the initial development status of the project.
Half way through	Two (2) photos that shows the status of halfway through the development stage

#### 2. Final Submission

Final submission must consist of the following five (5) photos of the final product.

Angle	
Photo 1	Birds eye view
Photo 2	Front view
Photo 3	Side view (Two sides)
Photo 4	
Photo 5	Rear view

### Preparing your images

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All photos of the projects must meet the following requirement.

*File format:* photos must be in JPG format.

*Color mode:* All photos must be in color (RGB)

*Cropping:* crop photos as desired

*Image size:* photos must be no more than 2000 pixels in the long direction and have an image size no larger than 2MB.

## Image size adjustment

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It's important to keep the files large enough for adequate viewing while not overloading the given platform or consuming all the bandwidth, the space the file occupies on the disk may be no larger than 2MB.

While there is, technically, no minimum file size, quality of the image will be considered by the judges and they should be in an adequate size. To that end, we have designated that the image be:

- 2000 pixels or less in the long direction (either horizontal or vertical), and
- No more than 2MB max file size (the amount of disk space it occupies).

Basic editing, including color enhancement, the use of filters, and cropping of the Photo(s) is acceptable, provided any such editing does not affect the authenticity and/or genuineness of the Photo(s).

If the photograph is manipulated, please describe your process in the caption

The Ministry of Environment and Energy reserves the right to call for original JPEG or RAW files for the purpose of authentication. An entry maybe disregarded if this cannot be provided.

## Submitting your photo entries

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All participating schools are expected to upload the final project photos on dedicated online platform provided by the Ministry of Environment and Energy.

Upon registration for the competition each school will be provided with a link to access a cloud storage for uploading the project files. **Details will be sent to the registered email addresses** once the registration forms are processed.

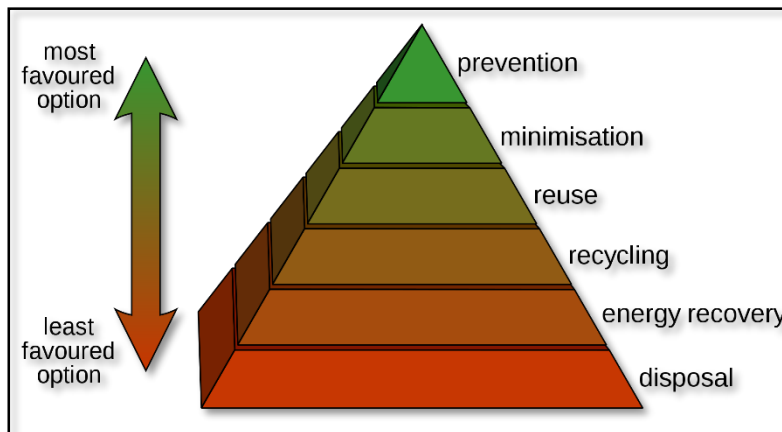
## Annex 5: What is 3R?

What do we do with the waste we generate at home, school, in public areas? Sadly it is thrown away. Did you know, Waste can be transformed into a Resource?

By applying the principle of 3R you can make wonders. What does 3R means?

- **Reduce:** means the avoidance or maximum reduction of the amount of waste that is generated.  
For example; preparing food only in sufficient quantity to avoid throwing away unused food
- **Reuse:** means, using parts from the waste stream again for a similar or a different purpose without changing the properties of the product.  
For example; donating old books to the library / friends instead of throwing away
- **Recycle:** means a process where waste is reclaimed and used to produce goods. For example, from plastic bottles Adidas is making Shoes.

To be responsible to the waste generated, one must understand the waste Hierarchy. It refers to the "3Rs" i.e., reduce, reuse and recycle, which classify waste management strategies according to their desirability. Waste minimization can be achieved in an efficient way by focusing primarily on the first of the 3Rs, "reduce," followed by "reuse" and then "recycle."



**Figure 1: Waste Management Hierarchy**

The concept of minimizing waste impacts in terms of quantity or ill-effects, by reducing quantity of wastes, reusing the waste products with simple treatments and recycling the wastes by using it as resources to produce same or modified products is usually referred to as "3R". Purchasing and using resources with care can reduce the pace of consumption of resources and

further connected energy and resources. Ultimately reducing waste substantially reduces the amount and clears out toxic wastes from the waste streams. When long lasting goods are reused time and again, it offsets harvesting of new similar or same products. This saves fresh resource exploitation and waste generation quantity. Some waste products can be consumed as resources for production of different goods or the same product, meaning recycling the same resource. This too saves fresh resources and offsets waste generation. All in all, the 3Rs individually or collectively saves fresh resources exploitation, add value to the already exploited resources and very importantly minimizes the waste quantity and its ill effects.

Waste minimization efficiency is stated to be better achieved applying 3Rs in a hierarchical order-Reduce, Reuse and Recycle.