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**TASK TEAM 6.3 TARGET : “BY 2030, IMPROVE WATER QUALITY BY REDUCING POLLUTION, ELIMINATING DUMPING AND MINIMIZING RELEASE OF HAZARDOUS CHEMICALS AND MATERIALS, HALVING THE PROPORTION OF UNTREATED WASTEWATER, AND INCREASING RECYCLING AND SAFE REUSE BY GLOBALLY” AND TASK TEAM 6.6** **“BY 2020, PROTECT AND RESTORE WATER-RELATED ECOSYSTEMS, INCLUDING MOUNTAINS, FORESTS, WETLANDS, RIVERS, AQUIFERS AND LAKES”**

**1. BACKGROUND**

The Sustainable Development Goals (SDGs) were endorsed “without reservations” by all Heads of State, including South Africa, on 25 September 2015, South Africa has embraced the opportunity to deliver on the SDG requirements and improve water security and the service of water and sanitation business to its people; further committed by the President during the recent World Water Week (March 2017) which took place in South Africa, and where he also called for urgent action.

The SDG goals and targets came into effect on 1 January 2016 and will guide the decisions taken within South Africa over the next fourteen years. The target date for outcomes to be achieved is 2030. The SDG targets are indeed valid for and applicable to South Africa. They are also in line with the Vision 2030 (the National Development Plan) as well as Medium Term Strategic Framework (MTSF) Outcome Targets.

The mandate of the Department of Water and Sanitation, (DWS), through the Minister is to ensure sustainable water supply, water resource management and Sanitation for all South Africans.

There are 17 SDGs, each with specific targets and indicators aimed at transforming the world. The Statistics South Africa (Stats SA) is the focal point for all 17 SDGs in the country. The main objectives of these goals are to:

* End poverty;
* Protect the planet and
* Ensure prosperity for all

There is a dedicated water and sanitation goal, Goal 6, with the objective to ensure access to water and sanitation for all. The management and reporting on Goal 6 is the responsibility of Department of Water and Sanitation. The Deputy Director General: Planning & Information is responsible to oversee the implementation of SDG6 in SA on behalf of the Department and with collaboration with Stats SA. The day to day implementation of SDG6 programme is the responsibility of Chief Director: Water Services and Local Water Management. SDG 6 contains targets, all focusing directly on water and sanitation services and water resource management.

Target 6.3 sets out to improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally by 2030

Target 6.3 has two Global Indicators 6.3.1 and 6.3.2:

Global Indicator 6.3.1 provides information on proportion of wastewater safely treated. It requires data and information in relation to the reduction of pollution and minimizing the release of hazardous chemicals and materials focuses on the following:

* Volume of wastewater generated by households and economic activities
* Volume of wastewater disposed by households and economic activities
* Quality of final effluent
* Information on the re-use of final effluent
* Information on Operation and Maintenance

Global Indicator 6.3.2 provides information on the proportion of bodies of water with good ambient water quality. It requires data and information on surface water bodies, namely river systems, dams or lakes, and groundwater It includes the monitoring of five core water quality parameters (i.e electric conductivity/total dissolved solids; percentage dissolved oxygen; dissolved inorganic nitrogen/total nitrogen; dissolved inorganic phosphorus/total phosphorus; and faecal coliform/Escherichia coli bacteria).

Target 6.6 seeks to require countries to ensure that by 2020, water-related ecosystems are protected and restored, including mountains, forests, wetlands, rivers, aquifers and lakes. Target 6.6 has one Global Indicator 6.6.1.

Global Indicator 6.6.1 seeks to provide data and information to enable management and protection of water-related ecosystems so that ecosystem services, especially those related to water and sanitation, continue to be available to society. Indicator 6.6.1 consists of four sub-indicators namely:

1. Spatial extent of water-related ecosystems (vegetated wetlands, lakes/reservoirs, rivers/estuaries)

2. Quantity of water in ecosystems (rivers, lakes/reservoirs)

3. Quality of water in ecosystems (this relates to 6.3.2)

4. Health of ecosystems

The DWS SDG indicator 6.3 and 6.6 Task Team has been established within the Branch Planning & Information Management to facilitate the required actions. Partnership with other sector partners such as SANBI, DEA, DAFF, SAEON, WRC, DRDLR, CSIR, CoGTA (MISA) is essential for assembling a complete dataset. The DWS task team is led by the team leader which is responsible for ensuring that SDG reports are collated; evaluated for correctness and ultimately reported to the UN through StatsSA. The team is responsible for documenting the gaps and the action plan required for addressing these gaps.

**2. TARGET 6.3**

**This target has two Global Indicators:**

* Global Indicator 6.3.1 - Proportion of wastewater safely treated
* Global Indicator 6.3.2 - Proportion of bodies of water with good ambient water quality

**2.1 GLOBAL INDICATOR 6.3.1 RATIONALE**

This indicator seeks to provide data and information on wastewater (sewage and faecal sludge) generated and its disposal/transportation by households and economic activities. To ensure that wastewater is safely treated, implementation of Operation and Maintenance and promotes the re-use of final effluent.

Inclusion of onsite facilities is critical from a public health, environment and equity perspective – approximately two thirds of world population use on-site facilities – Focus on hazardous waste industries

Indicator 6.3.1 consists of five sub-indicators:

* Volume of wastewater (sewage and faecal sludge) generated by households and economic activities
* Volume of wastewater disposed/transported by household and economic activities
* Quality of final effluent
* Information on Re-use of final effluent
* Information on Operation and maintenance

**2.2 GLOBAL INDICATOR 6.3.2 RATIONALE**

This indicator provides information on the proportion of bodies of water that have good ambient water quality. It requires data and information on surface water bodies, namely river systems, dams or lakes, and groundwater It includes the monitoring of five core water quality parameters (i.e electric conductivity/total dissolved solids; percentage dissolved oxygen; dissolved inorganic nitrogen/total nitrogen; dissolved inorganic phosphorus/total phosphorus; and faecal coliform/Escherichia coli bacteria). The indicator depends on regular, long-term monitoring at representative sites

Indicator 6.3.2 gives an overall picture of natural and human effects on water quality, including point sources of pollution such as sewage works, and non-point sources such as runoff affected by land use practices. The indicator is also a measure of pollution reduction activities (indicator 6.3.1), and the environmental status of freshwater systems (indicator 6.6). In broad terms, indicator assesses the effects of human development on ambient water quality, and on the potential for obtaining future ecosystem services from the water body (for example, drinking water production and biodiversity).

**3. TARGET 6.6**

Target 6.6 seeks to require countries to ensure that by 2020, water-related ecosystems are protected and restored, including mountains, forests, wetlands, rivers, aquifers and lakes. Target 6.6 is broken down to a number of indicators, and this group’s focus is indicator 6.6.1. Indicator 6.6.1 seeks to provide data and information to enable management and protection of water-related ecosystems so that ecosystem services, especially those related to water and sanitation, continue to be available to society.

Indicator 6.6.1 consists of four sub-indicators namely:

* Spatial extent of water-related ecosystems (vegetated wetlands, lakes/reservoirs, rivers/estuaries)
* Quantity of water in ecosystems (rivers, lakes/reservoirs)
* Quality of water in ecosystems (this relates to 6.3.2)
* Health of ecosystems

The DWS SDG indicator 6.6.1 Task Team has been established within the Branch Planning & Information Management to facilitate the required actions. Partnership with other sector partners such as SANBI, DEA, DAFF, SAEON, WRC, DRDLR and CSIR is essential for assembling a complete dataset. The DWS task team is led by the team leader who is responsible for ensuring that SDG reports are collated; evaluated for correctness and ultimately reported to the UN through StatsSA. The collective team is responsible for documenting the gaps and the action plan required for addressing these gaps.

**3.1 GLOBAL INDICATOR 6.6.1 RATIONALE**

Although SDGs are a 2030 agenda, target 6.6 is a 2020 target. This indicator is aligned to the Aichi Biodiversity targets of the Convention on Biological Diversity. However it will continue beyond 2020 to align with the SDG. The indicator focuses on the following ecosystem categories:

* Vegetated wetlands (swamps, peatlands, forests, marshes, mangroves and paddies);
* Open water (rivers and estuaries; reservoirs and lakes) and
* Groundwater aquifers

The indicator uses relevant data and information to enable management and protection of water related ecosystem so that ecosystems services continue to be available to society. In the forthcoming years, the indicator will also be measured against determined targets which have been agreed to and set by the task team.

# **4. COMPOSITION OF TASK TEAM**

**4.1 OBJECTIVE OF THE TASK TEAM**

* To collect data and information
* To identify gaps on the received data
* To draft the action plan
* To identify resources for the implementation of action plan
* To draft annual performance indicators
* Monitor and report progress towards achieving Sub-goal 6.3

**4.2 ROLES AND RESPONSIBILITIES OF TASK TEAM**

**4.2.1 Stakeholder analysis**

* Identify stakeholders
* Establish database of stakeholders
* Establish stakeholders partnership
* Define clear roles and responsibilities of stakeholders
  + 1. **Information gathering**
* Identify data source
* Interpretation of data and information
  + 1. **Gaps analysis**
* Identify gaps on received data and information
* Draft action plan with timeframes
  + 1. **Risk management**
* Identify potential risks (i.e inadequate resources- budget)
* Draft mitigation measures
  + 1. **Monitoring and Evaluation**
* Monitor and evaluate the implementation of Action Plan
  + 1. **Reporting**
* Report challenges experienced
* Report progress towards achieving Sub-goal 6.3 & 6.6
  + 1. **Setting of targets**
* To improve the current status quo
  1. **Generic Functions of Task Teams**

In order to reach the objectives of target 6.3 and 6.6Targets and their associated Global Indicators a series of functions have been identified. These include:

* Review systems and processes required to monitor progress regarding achievement of the target given to this Task Team.
* The Task Team leaders will be given requests to complete the Global Indicator reports given from the United Nations, through the Programme Coordinator. It is expected that with three Global Indicators,:

- **Global indicators 6.3.1,**

**6.3.2, and**

**6.6.1**

* There will be two Global Indicators reports for this Target Each Global Indicator report is expected annually, and must be processed by the Task Team in the format prescribed by the UN within the deadline provided by the UN.
* Subsequent to the submission of the Global Indicator reports to the UN, the Task Team will also be responsible to develop ‘SDG Indicator Gap Analysis Reports’, to identify the gaps that exist with respect to the particular indicators. This Gap analysis Reports will be used to inform other relevant branches and/or Sector Stakeholders, so that they may commit in addressing these gaps through their Operational Plans. Since it is expected that two Global Indicator reports will be submitted to the UN per annum, two Global Indicator gap analysis reports should also be generated by the Task Team in the same year.
* All Global Indicator reports will be submitted by the Task Team on behalf of DDG: P&I to the UN, by the deadline, In addition a suitable submission to the Minister will follow to include a copy of each submitted report for information purposes
* All internal correspondence that is required pertaining to a specific indicator will be facilitated by the Task Team Leaders and copied to the Program Coordinator
* To coordinate a monthly meeting as required with each of their respective Task Team members to assess progress, challenges and other points of discussion. Minutes must be maintained accordingly and copied to the Programme Coordinator for information.
* The Task Team leaders will be responsible for coordinating work within the Task Team and allocating tasks to members as required in order to meet their objectives
* To provide quarterly progress reports to the SDG6SS&C on the status of the Target / Global Indicators and mitigation measures to address challenges that exist.
* The Team Leaders to participate on quarterly SDG6WG meetings
* To consider other areas of importance relating to the Target / Global Indicators as they arise and assess the level of support required.

**4.4 CHAIRING AND SECRETARIAT OF TASK TEAM**

**4.4.1 Chairing**

The meeting to be chaired by Task Team Leader

**4.4.2 Frequency of meetings**

The Task Team shall meet on a monthly basis in its first year of operation and there after once every two months. Below is the proposed schedule of meetings:

|  |  |
| --- | --- |
| **Meetings** | **Date** |
| 1st meeting | 07 June 2018 |
| 2nd meeting | 13 July 2018 |
| 3rd meeting | 10 August 2018 |
| 4th meeting | 07 September 2018 |
| 5th meeting | 05 October 2018 |
| 6th meeting | 09 November 2018 |
| 7th meeting | 07 December 2018 |

**4.4.3 Responsibilities of the Chairperson**

* To provide direction in relation to drafting of targets
* To monitor the implementation of the Action Plan
* To report task team progress to SDG Working Group Committee
* To ensure the SDG report is compiled and submitted to UN through the relevant channels
* To ensure that Minister’s submission is drafted and submitted through relevant channels (DDG:P& I and DDG: IWC)
* To chair meetings as per the agreed agenda, time and date.
* To sign off minutes after adoption at the scheduled meeting.
* Ensure the sustainability of the Task Team.
* The chairperson may invite any person or institution deemed relevant to the Task Team meeting.

**4.4.4 Responsibilities of the Secretariat**

* To draft and circulate agenda to Task Team members
* Record the proceedings of the meetings.
* Coordinate issues emanating from working group/task teams aligned to the SDG 6.3 Task Team.
* Keep appropriate records of the operations of the Task Team.
* Distribute meeting notices of the Task Team, agenda, minutes and actions to all relevant Task Team members
* Follow up progress on actions with affected Task Team members and compile progress report prior to the next meeting.
* Develop an annual calendar for all the meetings of the Task Team.
* Forward the minutes to members within seven (7) days after the meeting.
* Meeting notices and agenda to be circulated seven (7) days before the meeting.

**4.5 TASK TEAM MEMBERS**

The DWS **SDG 6** Task Teams have been established within the Branch Planning & Information, reporting to the SDG6 Working Group

| **SDG Global Indicator 6.3 and 6.6** | | | |
| --- | --- | --- | --- |
| **Name** | **Directorate** | **Tel** | **Email** |
| Thembi Mthombeni (Team Leader) | Resource Quality Information Services | 012 808 9619  073 768 8348 | MthombeniT2@dws.gov.za |
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| Carey Rajah | Spatial Land Information Management | 012 336 7831/8130 | RajahC@dws.gov.za |
| Tsunduka Khosa | Water Use Licence | 012 336 7496 | KhosaT@dws.gov.za |

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**5.** **ACTION PLAN**

This Action Plan will be monitored on quarterly basis. A Template for the Action Plan is shown as follows:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SDG GLOBAL INDICATOR 6.3 & 6.6 TASK TEAM ACTION PLAN** | | | | | | |
| **No** | **Baseline** | **Current Programmes in support** | **Interventions / Activity** | **Outcome** | **Responsibility** | **Timeframe** |
| **Function 1.Stakeholder analysis** | | | | | | |
| 1.1 | DWS national stakeholders  DEA (SANBI)  Water Services Authorities Database | Planned National Stakeholder workshop  Green Drop Assessments | Identify stakeholders and partnership   * DWS (Relevant units) * SANBI * DEA * CSIR * StatsSA * WRC * CoGTA (MISA) | Database of stakeholders | Task Team | 30 June 2018 |
| 1.2 | Define clear roles & responsibilities of stakeholders | Agreed roles & responsibilities | Task Team | 31July 2018 |
| **Function 2. Information gathering** | | | | | | |
| 2.1 | Water Management System (WMS)  Hydstra  GIS (SANBI Wetland map)  Green Drop System | Municipal Strategic Self-Assessment (MuSSA)  Green Drop System | Identify data source  Wastewater Treatment Works (WWTW) effluent quality compliance  WWTW Classification  Process Controller's registration | Reliable data availability | Task Team | 31 July 2018 |
| 2.2 |  |  | Interpretation of data and information | Reporting | Task Team | Ongoing |
| **Function 3. Gap analysis** | | | | | | |
| 3.1 | Not in place |  | Identify gaps on received data and information  Establish Wetland unit | Draft & Implement Action Plan | Task Team | 30 August 2018 |
| **Function 4. Risk Management** | | | | | | |
| 4.1 | Not in place | Ageing infrastructure   * RBIG program | Identify potential risks   * Inadequate human capacity(Process Controllers and artisans) * Ageing infrastructure of WWTWs * Inadequate financial resources (Operations and maintenance) * Inadequate monitoring programmes (e.g. wetlands, Effluent Quality) * Contamination of water resources * Wetlands degradation * Destruction ecosystem habitants * Over development (e.g. urban development) * Lack of awareness in relation to water resource protection | Risk register and Mitigation Plan to address the risks | Task Team | Ongoing |
|  |  | Monitoring network | Identify sites that DWS is likely to continue monitoring for the duration of the SDG reporting period | List of surface water quality monitoring sites representing as many tertiary drainage regions and dams as possible. |  | Ongoing |
| **Function 5: Reporting** | | | | | | |
|  | Annual report | Information received from the ff:   * Water Eco-system * RQIS * SLIM | Monitor & Evaluation Progress 6.3 & 6.6 reports | Annual report | Task Team | Annual |

**6. DURATION OF THE TASK TEAM**

The SDG target 6.3 & 6.6 Task Team will continue until instructed otherwise and the ToR will be reviewed every three years and a new Task Team Leaders will be appointed

**7.** **ADOPTION OF TERMS OF REFERENCE:**

We/I hereby accept this agreement and commit to adhere to the stipulations as set out in the document.

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Name: THEMBI MTHOMBENI

(**Task Team** **Leader: Global Indicator 6.3**)

Date:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: LEBOGANG MATLALA

(**Task Team** **Leader: Global Indicator 6.6**)

Date:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: MOLOKO MATLALA

(**SDG Coordinator**)

Date: