

REPORT TO: CITY MANAGER
TO BE REFERRED BY THE OFFICIAL TO MAYCO VIA THE RELEVANT
WATER AND SANITATION SECTION 79 COMMITTEE [AFTER CONSIDERATION BY
CITY MANAGER]

1. ITEM NUMBER

2. SUBJECT

**FEEDBACK ON THE INTERNATIONAL/OUTSIDE THE BORDERS OF THE
RSA TRIP UNDERTAKEN FROM 01/02/2025 TO 16/02/2025 TO ATTEND
THE HYBRID TRAINING PROGRAMME ON STRENGTHENING THE
CAPACITY ON NON-REVENUE WATER REDUCTION IN SOUTH AFRICA,
SPONSORED BY THE JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA).**

ISIHLOKO

**INGXELO ENGEMVA KOHAMBO OLUYA PHESHEYA/OKANYE
NGAPHAYA KWEEBHODA ZOMZANTSI AFRIKA OLUTHATHWE
UKUSUSELA NGOWO1 UKUYA KOWE16 KWEYOMDUMBA 2025
LOKUZIMASA I"HYBRID TRAINING PROGRAMME ON STRENGTHENING
THE CAPACITY ON NON-REVENUE WATER REDUCTION IN SOUTH
AFRICA", EXHASWA NGABEJAPAN INTERNATIONAL COOPERATION
AGENCY (JICA) [LSU:**

ONDERWERP

**TERUGVOERVERSLAG OOR DIE INTERNASIONALE REIS BUITE DIE
GRENSE VAN DIE RSA VAN 01/02/2025 TOT 16/02/2025 OM DIE
HIBRIEDE OPLEIDINGSPROGRAM VIR DIE VERSTERKING VAN
KAPASITEIT OM NIE-INKOMSTEWATER TE VERMINDER IN SUID-
AFRIKA, GEBORG DEUR JICA (JAPAN INTERNATIONAL COOPERATION
AGENCY)**

Translation Ref – R2996

3. EVENT SUMMARY

EVENT DETAILS	
CONFERENCE/SEMINAR	THE HYBRID TRAINING PROGRAMME ON STRENGTHENING THE CAPACITY ON NON-REVENUE WATER REDUCTION IN SOUTH AFRICA
OTHER	N/a
DATE	01/02/2025 to 16/02/2025
VENUE	JAPAN INTERNATIONAL COOPERATION AGENCY: YOKOHAMA AND TOKYO INTERNATIONAL CENTRES
TOTAL COST TO THE CITY	R31 657.42
CITY	YOKOHAMA AND TOKYO
COUNTRY	JAPAN

ATTENDEE DETAILS	
NAME AND SURNAME	DESIGNATION
Brandon Stevens	DEPOT MANAGER
PROVIDE SUMMARY OF HOST ORGANISATION / CITY	
The Department of Water and Sanitation (DWS) of the Republic of South Africa (SA) established the Infrastructure Branch Training Centre (IBTC) in 2014 in order to strengthen the skills and capacities of municipality (as Water Service Authority) staff. The initial concept was to make the IBTC a center with a coordination and hub function for human resource development, however, due to insufficient planning and implementing capacity of IBTC personnel, the training programmes have rarely been executed. Therefore, the SA government has requested technical cooperation from Japan aimed at improving the operational management capacity of IBTC, and Japan International Cooperation Agency (JICA) has implemented "the Project for Strengthening the Capacity of IBTC on Non-Revenue Water" (hereinafter referred to as "the former Project") from 2017 to 2021. Through the former Project, the "National Non-Revenue Water Training Programme" was designed and implemented for strengthening the capacity of DWS/IBTC to operate and manage training programmes and for developing human resources for the municipal water services. However, during the former Project period, the project activities were suspended due to the global outbreak of COVID-19, and the SA government strongly requested JICA to offer follow-up support to ensure the sustainability of the National Non-Revenue Water (NRW) Training Programme. Consequently, a JICA Expert were dispatched to the Development Bank of Southern Africa (DBSA) from 2021 to "support the scale-up of water service infrastructure by addressing NRW issues". The Expert monitored the national NRW training programme, and a hybrid training (face-to-face and online components) in SA and Japan was implemented from 2021 to 2022. Throughout the technical cooperation, the capacity of DWS/IBTC to coordinate training has improved, however, it is still in the growing process as an independent training institution. The SA government aims to promote further development of technical experts through the continuous implementation of the national NRW training programme, as well as to promote NRW measures in each municipality to achieve efficient water service operations in all municipalities nationwide. Thus, the SA government has requested continued technical cooperation from JICA, leading to the implementation of "the Project for Strengthening the Capacity of Non-Revenue Water Management in the Republic of South Africa" (hereinafter referred to as "the Project").	

4. OBJECTIVE

The Department of Water and Sanitation in collaboration with South African Local Government Association (SALGA) are implementing a technical cooperation with the government of Japan through the Japan International Cooperation Agency (JICA). The cooperation is to result to the development of an accredited training programme by municipalities for municipalities on Non-Revenue Water and measures for reduction under DHSWS. The training in Japan was meant to expose the attendees to the effective Japanese technical Non-Revenue Water training model in order to inform and help develop the training programme by DHSWS and SALGA.

5. OUTCOMES

Knowledge gained will be utilised to further develop the Water balance model of the City of Cape Town to the next level of detail for individual regions and supply zones. This will assist in focused remedial actions for water losses, while improving accuracy on some of the complex elements making up NRW.

6. ACTIONS REQUIRED

The training participants together with other facilitators from other municipalities will be required to finalise the NRW training of municipalities at the Infrastructure Branch Training Centre at Roodeplaat.

The stakeholders will be:

- ☐ Department of Human Settlement Water and Sanitation
- ☐ South African Local Government Association
- ☐ Various Municipalities All over South Africa
- ☐ JICA

7. IMPLICATIONS

7.1 Constitutional and Policy Implications No ☒ Yes ☐

7.2 Environmental implications No ☒ Yes ☐

7.3 Financial Implications No ☒ Yes ☐

In order to reduce the amount of NRW in the City of Cape Town while also optimizing the completion of the water balance, more resources might be needed.

7.4 Legal Implications No ☒ Yes ☐

7.5 Staff Implications No ☒ Yes ☐

More human resources might be needed in future to accelerate the rate of NRW reduction.

7.6 Risk Implications No ☒ Yes ☐

Possibility of running out or having a shortage of drinking water as a result of not reducing NRW.

7.7 POPIA Compliance

- ☒ It is confirmed that this report has been checked and considered for POPIA Compliance.

8. RECOMMENDATIONS

It is recommended that the feedback report on the trip THE HYBRID TRAINING PROGRAMME ON STRENGTHENING THE CAPACITY ON NON-REVENUE WATER REDUCTION IN SOUTH AFRICA, SPONSORED BY THE JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) undertaken by Brandon Stevens on 01/02/2025 to 16/02/2025 **be considered and noted.**

Kundululwe ukuba makuthathelwe ingqalelo kwaye kuqwalaselwe ingxelo engemva kohambo oluya kwi"HYBRID TRAINING PROGRAMME ON STRENGTHENING THE CAPACITY ON NON-REVENUE WATER REDUCTION IN SOUTH AFRICA", exhaswa ngabeJAPAN INTERNATIONAL COOPERATION AGENCY (JICA) oluthatyathwe ngoBrandon Stevens ngowo1 ukuya kowe16 kweyoMdumba 2025.

Daar word aanbeveel dat die terugvoerverslag oor die reis onderneem deur Brandon Stevens van 01/02/2025 tot 16/02/2025 om die hibriede opleidingsprogram vir die versterking van kapasiteit om nie-inkomstewater te verminder in Suid-Afrika, geborg deur JICA (Japan International Cooperation Agency), by te woon, oorweeg word en daarvan kennis geneem word.

Translation Ref – R2996

9. GENERAL DISCUSSION

The Japan International Cooperation Agency (JICA) is a Japan governmental agency that coordinates Official Development Assistance (ODA) for the government of Japan. It is chartered with assisting economic and social growth in developing countries, and the promotion of international cooperation. JICA is part of Japan's official development assistance effort, with a role in providing technical cooperation and capital grants. The organization's core development programs are technical assistance programs/projects for capacity and institutional development, feasibility studies and master plans in cooperation with developing countries.

Japan was able to reduce its NRW from about 80% in the 1950's to less than 5% in the 2000's using leak detection, minimum night flow analysis and pipe replacement techniques. These are the same techniques the City of Cape Town as a municipality is using. In this case, the city is one of the leading pioneers in the country in reducing NRW.

10. **ANNEXURES**
A – Travel Report
B – JICA Application Form
C – Training Schedule

FOR FURTHER DETAILS, CONTACT:

DATE	09/04/2025		
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**BRANCH MANAGER : RETICULATION
PIERRE MARITZ**

COMMENT:

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NAME

DATE

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NAME

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EXECUTIVE DIRECTOR

LEONARDO MANUS

COMMENT:

The ED's signature represents support for report content and confirms POPIA compliance.

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MANAGER: INTERNATIONAL RELATIONS

COMMENT:

DR. DENVER VAN SCHALKWYK

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DATE **Schalkwyk**

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☐ REPORT COMPLIANT WITH THE PROVISIONS OF COUNCIL'S DELEGATIONS, POLICIES, BY-LAWS AND ALL LEGISLATION RELATING TO THE MATTER UNDER CONSIDERATION.

LEGAL COMPLIANCE

☐ NON-COMPLIANT

COMMENT:

NAME

TEL

DATE

Certified as legally compliant based on the contents of the report.

CITY MANAGER

☒ NOTED

☒ REFER TO THE MAYORAL COMMITTEE VIA
THE RELEVANT SECTION 79 COMMITTEE

DATE

COMMENT:
