



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA

MINISTRY OF WATER AND
ENVIRONMENTAL AFFAIRS

2010 -11- 09

PRIVATE BAG X313
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MINISTER OF WATER AND ENVIRONMENTAL AFFAIRS

NATIONAL COUNCIL OF PROVINCES: QUESTION 289 FOR WRITTEN REPLY

A draft reply to the above-mentioned question asked by Mr D B Feldman (COPE-Gauteng); is attached for your consideration.

DIRECTOR-GENERAL (Acting)

DATE: 9/11/2010

DRAFT REPLY APPROVED/AMENDED

**MRS B E E MOLEWA, MP
MINISTER OF WATER AND ENVIRONMENTAL AFFAIRS**

DATE: 20 10/11/14

NATIONAL COUNCIL OF PROVINCES

FOR WRITTEN REPLY

QUESTION NO 289

DATE OF PUBLICATION IN INTERNAL QUESTION PAPER: 20 AUGUST 2010
(INTERNAL QUESTION PAPER NO. 21)

289. Mr D B Feldman (COPE-Gauteng) to ask the Minister of Water and Environmental Affairs:

Whether any figures are available to indicate the quantity of water that will be used by (a) Medupi and (b) Kusile power stations per annum; if not, why not; if so, what are the relevant details in each case?

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REPLY:

- (a) At Medupi Power Station the progressive commissioning of the first unit will start from 2012. This Power Station will initially require a volume of six million m³/annum by about 2015 for the conventional dry cooling process when the six generating units are operational. Further emission abatement technology will be progressively implemented from about 2018 to 2022 in each of the six generation units. This will utilize the Flue Gas Desulphurisation (FGD) technology and will require an additional allocation of water. Thus the water requirements will increase gradually from six million m³/annum to 14 million m³/annum at about 2022.
- (b) Kusile Power Station will be commissioned with the emission abatement technology, called the Flue Gas Desulphurisation (FGD), in place from the beginning. The first unit is planned for commercial operation by 2014 with the last unit expected to be operational by 2018. The water requirements of Kusile will increase gradually from approximately 2.33 million m³/annum in 2014 to 14 million m³/annum in 2018.

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