



HIGHLY RECOMMENDED BRIEFING SESSION: GT/GDH/111/2023 THE SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND MAINTANACE OF SMALL LINAC WITH LOW ENERGY PHOTONS OR ALTERNATIVE TECHNOLOGY (E.G TOMOTHERAPY UNIT) TO GAUTENG DEPATMENT OF HEALTH FOR A PERIOD OF 3 YEARS .

Question 1: Page 26 and 28 of 68 of Special condition, point “b” Energy Source (electricity and UPS
: Please advise on the length and quantity to be required

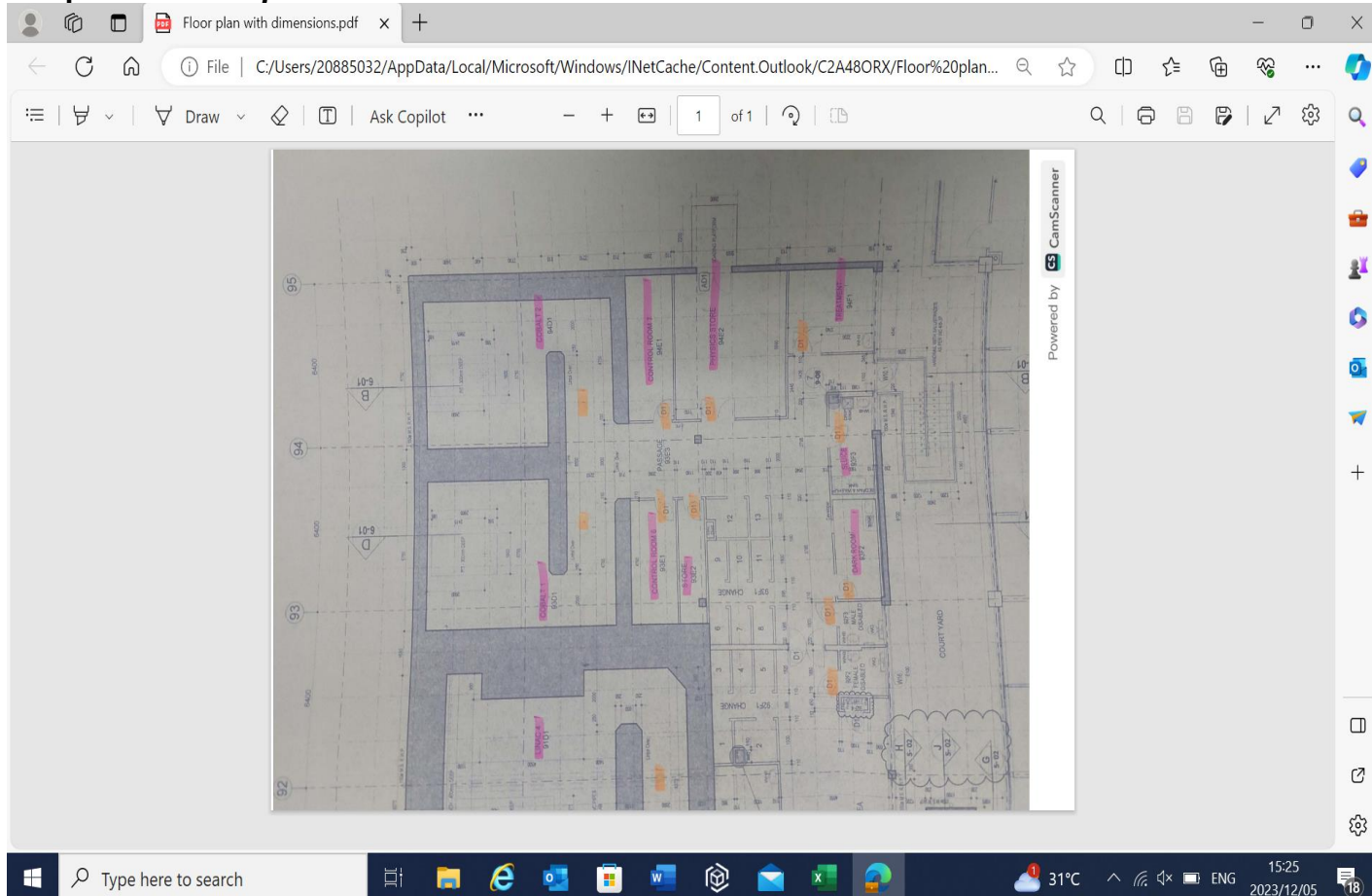
- ix. Cable Trays - **lengths are not specified, as we do not know the route for these cable trays, this is important.**
- xi. 50m of 16mm² 4 Core ECC Armour Cable – **lengths required (as it is not specific to where these should connect).**
- xiii. 1.2m (4Ft) of LED Fluorescent tube – **quantity required.**
- xiv. R63 Globes for downlight - **quantity required.**
- xv. LED dimmable light switches - **quantity required.**
- xvi. 3 Pole + N Pole Surge arrestors - **quantity required.**

Response:

Bidder is required to provide the Energy Source (electricity and UPS) with that meets the requirements as stated on the special conditions. Any measurements and quantities clarity, bidder must visit the site at Charlotte Maxeke Academic Hospital.

Question 2: Unit Floor Plan

Response: Floor plan attached





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Question 3: In accordance with the bidding requirements, it is imperative for us to furnish a Gauteng supplier database number. Nevertheless, we possess a valid Central Supplier Database number.

Response :

Please note that it is not compulsory to submit Gauteng Supplier database number, it is mandatory that the bidder is registered on the CSD to do business with any state departments.

Question 4: list of QA Equipment in Charlotte Maxeke Johannesburg Academic Hospital

Response :

Dosimetry Equipment at CMJAH

- During the briefing session (01 Dec 23) the following information on QA at CMJAH was required.
- This was in reference to the sections below.

3.1.3	Bidder to include all <u>Linac-specific</u> medical physics quality assurance phantoms and instruments required for all daily, weekly monthly, and yearly quality assurance tests as per department of radiation control requirements. (NB: These only include phantoms and QA equipment that are specific to the provided unit, which the institution won't be in position of)
3.1.4	The bidder shall also include a quality assurance management system for the whole department (e.g. SunCheck).

- The list below does not include all dosimetry equipment, but those that relate to the submission.
- The required quality management systems should be usable with our current equipment.
- The overarching need is for an integrated QA management system that would perform/manage patient QA (Physics and dosimetry plan checks, secondary checks, EPID pretreatment QA, In-vivo-monitoring) and machine QA (daily, monthly, annually VMAT, MLC QA).

CMJAH's current Dosimetry equipment

	Equipment	Quantity @ CMJAH
Daily QC	PTW QUICKCHECK Weblinac (T42031) (Qty: 4)	4 Elekta Linacs
Monthly/ Annual QA	PTW BEAMSCAN	Enough
	PTW EPID QC PHANTOM (t42025).	Enough
	Elekta Synergy Basic Calibration Kit (MRT 15991)- Ball Bearing	2
	kV EPID image quality: LEEDS TEST OBJECTS LTD 2D Test object (MRT 10321) x 3 The Phantom Laboratory Catphan 503 x3	Enough
	MV EPID image quality: Elekta CALIBRATION PHANTOM ASSY (Las Vegas Phantom)	
Patient t-	IN-VIVO - Electrometer PTW VIVODOSE E (T10028). - Diode housing: PTW DIODE MATE (T20010)	2 of each For two Elekta linacs



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- Diodes + PTW T60010MP, PTW T60010HP, PTW T60010EP	
OCTAVIUS - PTW OCTAVIUS 4D Modular Phantom x1 - PTW OCTAVIUS Detector 1500 x1	1
Elekta EPID MV	ELSE EpiQA Software (used on EPID panels).
DOSIsoft EPIgray software (In-vivo dosimetry)	

Based on the table below, a summary of dosimetry is needed.

- Daily QA for the two linacs.
- Software for the PTW EPID QC phantom.
- In-vivo dosimetry solution using EPID for all linacs needed. Only 2 DosiSoft licenses are available.
- Patient plan verification and QA for SRS solution.
- Solid water, with chamber opening for PTW chambers 0.66, 0.125, plane-parallel. Standard slabs with the following # and thicknesses 20 x 1cm, 2x1mm, 2x2mm, 2x5mm.
- QC for SRS/SBRT.

QA management system to manage all these QA activities in the department.

Question 5: Cobalt Source Certificates

Response:



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