



भारत सरकार/Government of India
स्वास्थ्य और परिवार कल्याण मंत्रालय/ Ministry of Health and Family Welfare
प्रधानमंत्री स्वास्थ्य सुरक्षा योजना/PMSSY
अखिल भारतीय आयुर्विज्ञान संस्थान/All India Institute of Medical Sciences
मंगलगिरि, आंध्र प्रदेश/Mangalagiri, Andhra Pradesh

www.aiismangalagiri.edu.in

Ref: AIIMS-MG/PROC/2025/Physiology/Sperm Quality Analyser

Date: 20-08-2025

Call for Objection

Subject: Inviting comments/objection, if any before declaring proprietary article for procurement of “**Sperm Quality Analyser**” for the Department of Physiology AIIMS Mangalagiri.

Physiology Department, AIIMS Mangalagiri has to procure “**Sperm Quality Analyser**” through Proprietary Article basis.

The proposal submitted by M/s. MES Medical Electronic Systems Ltd. (“MES”) located at 20 Alon Ha’tavor St. Industrial Park Caesarea South 3088900 Israel, the legal manufacturer of the SQA-Vision & SQA-iO/VU automated semen analysers and the applicable consumables and M/s Medical Electronic Systems India Pvt. Ltd. a wholly owned subsidiary of MES LTD., is the sole and exclusive entity permitted to import, promote and market the above in India. MES India will take care of instruments service and application support directly through qualified service personal.

The above documents are being uploaded for open information to submit objections, comments if any from any manufacturer/supplier before declaring proprietary article of the said equipment/items to be procured, within 10 days (i.e. 30-08-2025) from the date of issuance/uploading of the notification.

The objection should be raised in the technical compliance sheet as enclosed in Annexure -I, if any Firm claiming suitability of their product with respect to specification mentioned.

The comments should be sent to the office of Procurement Cell, Room no: 2151, Logistic block at AIIMS Mangalagiri in a sealed envelope with above reference on or before 30-08-2025 up to 05:00 PM from the date of uploading on institutional website, failing which it will be presumed that any other manufacture/vendor is having no comment to offer and case will be decided on merits.

-sd-

AAO (Procurement)
AIIMS Mangalagiri

P-3 FORM

(To be attached with P-2 form for proprietary items)

AIIMS Mangalagiri

PROPRIETARY ARTICLE CERTIFICATE

It is certified that Sperm Quality Analyzer make: Medical Electronic Systems Ltd. (MES) required in the P-2 form should be purchased from Medical Electronic Systems Ltd. (MES). To the best of my knowledge Medical Electronic Systems Ltd. (MES) are the sole manufacturer/ agents of the sole manufacturers.

Similar items manufactured by other firm(s) shall not be suitable for our purpose for the following reasons:

1. This Sperm Quality Analyzer (SQA) features a specialized Israeli-made software based on the WHO manual for semen analysis, enabling detailed assessment of sperm motility index, including Progressive Motility (Rapid PR, Slow PR), Non-Progressive Motility (NP), and Immotility (IM). It also provides an in-depth morphological analysis of sperm, including measurements of length, breadth, head, neck and tail.
2. The SQA PC and its software can measure the Sperm DNA Fragmentation Index (DFI). The Andrology lab aims to introduce DFI testing for infertile patients in future.
3. The SQA analyzer includes a provision for debris and round cell (germ cells) assessments, enhancing the accuracy of semen analysis.
4. The SQA analyzer with a PC is a beneficial for teaching purposes.
5. The SQA analyzer with a PC can capture high-quality sperm images, making it a valuable tool for research studies.



Signature of the Indenter:

डॉ. सतीश पी. दीपंकर
Dr. Satish P. Dipankar

अपर प्राध्यापक एवं विभागाध्यक्ष / Additional Professor & Head,
शरीरक्रियाशास्त्र विभाग / Department of Physiology,
अखिल भारतीय आयुर्विज्ञान संस्थान, मंगलगिरी (आ.प्र.)
All India Institute of Medical Sciences, Mangalagiri (A.P.)

Date: 05-02-2025

Designation: Additional Professor & Head

Department: Physiology

Recommend at on:



डॉ. सतीश पी. दीपंकर
Dr. Satish P. Dipankar

अपर प्राध्यापक एवं विभागाध्यक्ष / Additional Professor & Head,
शरीरक्रियाशास्त्र विभाग / Department of Physiology,
अखिल भारतीय आयुर्विज्ञान संस्थान, मंगलगिरी (आ.प्र.)
All India Institute of Medical Sciences, Mangalagiri (A.P.)

Signature of the Head of the Department

N.B.: the indenter before recording the above certificate should satisfy himself that the article is genuinely of proprietary nature manufactured under patent laws.



Medical Electronic Systems Ltd.
20 Alon Ha'tavor Street, Caesarea
Industrial Park 3088900, Israel



December 22, 2024

PROPRIETARY CERTIFICATE

To Whom It May Concern:

MES Medical Electronic Systems Ltd. ("MES"), located at 20 Alon Ha'tavor St. Industrial Park Caesarea South 3088900 Israel, the legal manufacturer of the SQA-Vision & SQA-iOVU automated semen analysers and the applicable consumables, hereby declares that our instruments employ unique, proprietary patented signal processing technology and that MES is the only manufacturer known to be using this technology to produce automated semen analysers in the world.

Medical Electronic Systems India Private Limited., a wholly owned subsidiary of MES LTD, is the sole and exclusive entity permitted to import, promote and market the above in India. MES India will take care of instruments service and application support directly through qualified service personal.

Sincerely Yours,

Gabriel Deutsch
Gabriel Deutsch
Chairman
MES Group

M.E.S.
MEDICAL ELECTRONIC SYSTEMS LTD.



Dipankar

डॉ. सतीश पी. दीपंकर
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अपर प्राध्यापक एवं विभागाध्यक्ष / Additional Professor & Head,
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All India Institute of Medical Sciences, Mangalagiri (A.P)

Serial 1253/2024

מספר סידורי 2024/1253


**AUTHENTICATION OF SIGNATURE OF A PERSON
SIGNING ON BEHALF OF A BODY CORPORATE**

אימות חתימתו של אדם בשם תאגיד

I the undersigned Merav Basri, Notary, Holding LIC NO. 2105686 hereby certify that on 22 December, 2024 appeared before me at my office located at 2, Alon HaTavor St, Caesarea Business Park, 3079817, P.O.B 3559 Israel **Mr. Gabriel Deutsch** whose identity has been proven to me by Israeli Passport No. 24244900 issued on 8 December 2022 and I am convinced that the person standing before me understood fully the significance of the action and voluntarily signed the attached document marked with the letter A on behalf of **M.E.S MEDICAL ELECTRONIC SYSTEMS LTD** Company Number 511840936 at 20 Alon Ha'tavor St, Caesarea P.O.Box 3017 Israel. I confirm that I have been submitted a Certification of the Signatory Rights and Corporation Certification as written evidence, to my satisfaction, for the purpose of proving his competence to sign as aforesaid.

In witness whereof I hereby authenticate the signature of **Mr. Gabriel Deutsch**, by my own signature and seal this day 22 December, 2024.

Notary fee 388

Signature 

Notary's Seal.

אני הח"מ מרב בצרי, נוטריון בעלת רישיון מספר 2105686, מאשרת כי ביום 22.12.2024 ניצב לפני במשרדי שבמעון רחוב אלון התבור 2, פארק העסקים והתעשייה קיסריה 3079817 ת.ד 3559 מר גבריאל דויטש שזהותו הוכחה לי על פי דרכון ישראלי מספר 24244900 שהוצא ביום 08.12.2022 ושוכנעתי כי הניצב בפני הבין הבנה מלאה את משמעות הפעולה וחתם מרצונו החופשי על המסמך המצורף והמסומן באות A בשם התאגיד א.מ.א.ס מדיקל אלקטרוניק סיסטמס בע"מ מספר חברה 511840936 בכתובת אלון התבור 20 פארק תעשיות קיסריה, ת.ד 3017 ישראל.


אני מאשרת שהוגש לי מסמך אישור על רישום החברה מרשם החברות ואישור מ"ח חתום על ידי עו"ד יהושע ב. ארגמן כראיה בכתב, להנחת דעתי, לשם הוכחת רשותו לחתום כאמור.

ולראיה אני מאמתת את חתימתו של מר מר גבריאל דויטש בחתימת ידיו ובחותמי, היום 22.12.2024

שכר נוטריון 388 ש"ח כולל מע"מ

חותם הנוטריון

חתימה







डॉ. सतीश पी. दीपंकर
Dr. Satish P. Dipankar

अपर प्राध्यापक एवं विभागाध्यक्ष / Additional Professor & Head,
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All India Institute of Medical Sciences, Mangalagiri (A.P.)

Technical Specification
Automated Sperm Quality Analyser – SQA

| | | |
|----|--|--|
| 1 | Automated system for semen analysis, which should be reportable according to the WHO 6 TH EDITION | |
| | The equipment should provide the following parameters: | |
| | i. Sperm Concentration | |
| | ii.Total sperm count | |
| | iii.Total Percentage of Motility (progressive + non progressive) | |
| 2 | iv. Progressive Motility Rapid PR, Slow PR / Non-Progressive Motility (NP)/ Immotility(IM) | |
| | v.Motile sperm Concentration M/ml / ejaculation | |
| | vi.Total Progressively Motile Concentration M/ml / ejaculation | |
| | vii. Normal Morphology | |
| | viii. Functional Sperm Concentration | |
| | ix. SPERM Motility index | |
| 3 | WHO parameter report should be non-image technology. | |
| 4 | The coefficient of variation of the sperm count should be less than 5%. | |
| 5 | Testing device should be disposable capillary with different channels for concentration and motility | |
| 6 | Image and Video of every sample should capture and same should be available for any time for review and as evidence. | |
| 7 | Image should be with Grid for counting. | |
| 8 | Provision for Manual Morphology count. | |
| 9 | Provision for Debris & Round cell Assessments | |
| 10 | Should have provision for QC – Quality Controls different levels. | |
| 11 | All essential items should be included. | |
| 12 | Warranty 5 years | |
| 13 | Report should be non- editable format and provide printer with computer | |
| 14 | Onsite installation, training and commissioning should be done free of cost | |
| 15 | Should have both FDA & CE certification for whole system. | |
| 16 | Reading should be within 75 seconds | |

I hereby certify that the specifications of this equipment are broad based, general and have been framed in a manner that it will invite multiple bidding competition as GFR 173 (IX).

G. Sunil Naik
SUNIL NAIK
M.D., M.Sc., FRCR, Reg. No: 77053 (MD)
Professor, Department of Physiology
All India Institute of Medical Sciences (AIIMS),
Jodhpur, Rajasthan-342005

Satish P. Dipankar
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All India Institute of Medical Sciences, Mangalagiri (A.P)

SPECIFICATIONS

Objection should be submitted in following format:

| S. no | Item specification as given | Specification offered by firm | Deviation if any | Remarks |
|------------------|--|--|-------------------------|----------------|
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