



Maharashtra Medical Goods Procurement Authority

Office- 1st Floor, Aarogya Bhawan, Commissionerate of Health Services, Mumbai, D'Mello Road,
St. Georges Hospital Compound, Mumbai 400001

Contact Number- 022-22611471, 022-22717500 E-mail - maha.mmga2023@gmail.com

Purchase Order No.1031/EQ/MMPGA/2025

Dt: 21.07.2025

To,
M/s.Seagles Enterprises India ,
Moti Nagar near Moti Garden
Amravati-444606.
Email: seagles.india@gmail.com

Subject: Purchase Order for LED FM Microscope

- Reference: 1. Govt. Resolution Dated 01.12.2016
2. Administrative Approval. No: 187, Dated 14.09.2023
3. Tender No : E -134 / LED FM Microscope
4. Your offer in response to above mentioned Tender
5. Sanction of Tender Approval Committee, Meeting dated 02.05.2025
6. Notification of Award of ContractNOA.1030A/MMGPA/Equipment/2025,
Dated 19.06 .2025
7. Your acceptance of NOA dated 19.06.2025

With reference to the above reference no.1, you have been awarded for the supply & installation of **LED FM Microscope** w.r.t approval as per reference no.5. Accordingly you are requested to supply the following goods to the consignee as per details mentioned below (**Consignee list mentioned separately in this order**)

Sr.No.	Item Description	Total Qty	Total Unit Rate incl. of GST in Rs.	Total Amount Incl. of GST in Rs.
1	LED FM Microscope (Make: QUASMO) Model : PZRM-26	30	70400	2112000
Amount in Words: INR Twenty One lakhs Twelve Thousand Only (Inclusive of GST)				

Terms & Conditions:

- Performance Security: As mention in Contract NOA.1030A /MMGPA/Equipment /2025, Dated 19/06/2025
- The above price mentioned is accepted on FOR delivery and Installation at destination basis and is inclusive of all other charges.
- The Warranty period is 3 years from date of installation. During the Warranty Period, the supplier shall visit all the user institutions/Consignee once in every 3 months (4 visits in a year) as preventive maintenance or as required any time for attending repairs/break down calls.

4. The technical specification of the above item should be as per Technical Specification mentioned at Annexure X.
5. Acceptance and Receipt In prescribed format. It should be submitted in Original Certificate copy to the purchasing authority along with triplicate copies of the Invoice.
6. The Consignee upon Receipt of the material should be issue acceptance certificate and after installation, Installation Certificate should be issued within 7 days of receipt of material in two copies. One copy should handover to Supplier and one copy should be sent Maharashtra Medical Goods Procurement Authority, Aarogya Bhawan St. George's Hospital Compound, Mumbai by E-mail.(Email-ID maha.mm GPA2023@gmail.com)
7. Invoice Copy- Should be sent in triplicate on the Name of Chief Executive Officer, Maharashtra Medical Goods Procurement Authority, Aarogya Bhawan St. George's Hospital Compound Mumbai
8. The Supplies must be completed within 90 days from date of issue of this Purchase Order.
9. If the supplier fails to deliver any or all the goods or fails to perform the services within the time frame (3) prescribed in the Contract, MMGPA will deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the equipment to be supplied per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to 8. This Purchase Order is being issued on the anticipation that the Performance Security as mentioned maximum of 10% of the Contract Price.
10. Payments terms will be as mentioned in NOA.1030 A /MMGPA/Equipment /2025, Dated 19/06/2025
11. Consignee as per List Attached
12. The tentative delivery schedule should be shared with MMGPA within 07 days from date of issue of this Purchase Order.
13. All other terms and conditions of the above-mentioned RFP, Notification of Award of Contract and corrigendum thereof will be applicable.

(As per approval of
Hon. Chief Executive Officer
MMGPA, Mumbai)

DHARAMPAL
BHAVIKDAS
KHELKAR

Digitally signed by
DHARAMPAL BHAVIKDAS
KHELKAR
Date: 2025.07.21 14:24:41
+05'30'

(Dr. D.B.Khelkar)

Technical Officer 1

**Maharashtra Medical Goods Procurement Authority
Mumbai**

Copy to: 1) Hon. Commissioner, Health Services & Mission Director, NHM, Mumbai

2) Hon. Director of Health Services, Mumbai

3) Joint Director Health Services (TB and Leprosy) Pune

4) Chief Accounts and Finance Officer, Medical Goods Procurement Authority, Mumbai

5) Office File

Copy to Consignee(s) All:

They should accept Equipment as per order & entry of the said Equipment is to be taken in dead stock register immediately within 24hrs of actual delivery

Copy Submitted to: 1) Hon. Addl. Chief Secretary, Public Health Department, Mantralaya, Mumbai.

2) Hon. Secretary-2, Public Health Department, Mantralaya, Mumbai.

Maharashtra Medical Goods and Procurement Authority

Tender No : E - 134/ TB & Leprosy Hospital Equipment

Technical Specifications for Microscopes LED Fluorescence

	<u>Technical Specifications of Microscopes LED Fluorescence</u>
1	<u>Microscopes LED Fluorescence</u> Main Specifications Sturdy, stable, base body with focus adjustment devices positioned for a prolonged comfortable use and ease. Precise movement. The body shall be epoxy powder coated durable metal, heat treated and resistant to standard reagents used for staining, organic solvents used for cleaning of lenses and disinfectants.
2	<u>Optical system</u> All optical parts including objectives, eye pieces, lenses, prisms, should have anti-reflective and anti-fungal coating.
3	<u>Binocular eyepiece</u> Binocular eyepiece, preferably with a tube flexible for use in a upper and lower position to ease the use by different lab workers, an ergonomic viewing angle of 30°, a tube rotatable through 360° at interpupillary distance ranging from at least 48-75 mm, maintaining parafofality
4	<u>Binocular eyepiece</u> Binocular eyepiece, preferably with a tube flexible for use in a upper and lower position to ease the use by different lab workers, an ergonomic viewing angle of 30°, a tube rotatable through 360° at interpupillary distance ranging from at least 48-75 mm, maintaining parafofality
5	<u>Eyepieces</u> Paired, high-quality, achromatic, wide field, 10xmagnifications. The eyepieces should have a minimum field number of 18, an eyepiece diopter adjustment on at least one eyepiece and no pointer.
6	<u>Objectives</u> All objectives should be plan achromatic, infinity corrected and usable without cover glass. 20x and 40x objectives should be usable with the fluorescence. Objectives 2:40x should be of spring-loaded type. 10x NA: 0.25 Essential 20x NA: 0.40 essential 40x dry: essential for confirmation 100k NA: 1.25, for oil immersion (essential) All objective should be Para focal
7	<u>Marking and Identification</u> All objectives should be engraved with the following information: Name or code of the manufacturer Magnification and numerical aperture (NA).

8	Nose piece Backward/outward tilted revolving nose piece to accommodate at least 4 objectives, any ports not covered by an objective should be closed with dust proof metallic or hard plastic screw caps. The nose piece should be provided with ribbed grip for easy rotation on a precision ball bearing mechanism for smooth and accurate alignment with precise click stops. In changing from one objective to another or reintroducing the same objective by rotation, the object in the center of the field should not appear displaced by more than 0.04mm in the object plane in any direction.
9	Stage Rectangular built in, uniformly horizontal, mechanical stage. The stage should be provided with a spring-loaded slide holder for safe and exact positioning of the slide. The construction should allow a smooth travel in transverse directions. Travel range of at least 75 x 30 mm (W X D) with Venire's scale, fatigue-proof position of knobs for movement, right or left-hand operation
10	Condenser Sub stage condenser of Abbe type, 0.9/1.25, with rack and pinion arrangement incorporating an iris diaphragm
11	Sub stage Illuminator Sub stage illuminator for bright field microscopy, with possibility to switch easily between FM and bright field without tools with: built in white LED source (3W, 6V) with light source life time 30,000 hours. The system should provide a light intensity adjustment device, and an easily accessible on/off switch. The lamp should be provided with a lamp socket for the easy replacement of the bulb. The housing for the light source should be designed to prevent dispersion of light and mounted not to heat up the body of the microscope
12	Fluorescence illumination Fluorescence illumination, depending on microscope type may be a built-in LED blue light source with maximum wavelength close to 450 nm for reflected light examination or an LED blue light source attachment with maximum wavelength close to 450 nm that is fitted into a special objective for reflected light examination or an LED blue light source attachment with maximum wavelength close to 450 nm that is fitted onto the illumination system of a standard microscope and sliding barrier 510 nm long-pass filter for transmitted light examination.
13	Focusing knobs Co-axial coarse and fine focusing knobs capable of smooth fine focusing movement over the full range of coarse travel. The fine focusing movement should have a sensitivity of two microns or less (finer) with 200-500 pm per rotation over the entire coarse focusing range. Focusing knobs should be at both sides. A focusing stop safety arrangement/mechanism should be provided to avoid slide breakage, as well as a total range of at least 15 mm. All metallic parts of the microscope to be corrosion proof, acid proof and stain proof.
14	Electricity requirements Supply voltage: 220-250, AC, 50 Hz Voltage and plugs shall be adapted to those used inside the country. The line cord/Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
15	Power consumption: Will depend on the illumination equipment (max. 30 W) Conform to electrical safety IEC-60601-1, UL 61010-d, EN 61010-1. Power supply, wide range input with 6 V converter. Protection class line accordance with EN 60529). Designed not to interfere with circuit ratio in accordance with EN 55014.

16	<u>Documentation</u> Manufacturer's certificate The manufacturer must have a CE certification for quality management system and a type-test certificate of relevant optical and mechanical tests. Quality and safety standards met by the product must be listed
17	<u>Accessories</u> Dust cover made of antistatic material.
18	<u>Battery pack Essential:</u> Rechargeable battery pack (6 V DC) of minimum two hours with charger working with 220-250 V AC, 50 Hz supply, for online and offline power
19	<u>Eye Protection Essential:</u> If using an FM without a darkroom, a pair of well-fitting soft rubber pieces to protect the eyes and block stray light. One antistatic cleaning brush for each microscope. At least one blue filter per microscope (wrapped separately in a box) Optional: A self-standing mirror unit adapted to the space between base and sub-stage condenser, providing bright illumination when used in bright field. Three pin wall adapter from AC current to be provided for Indian conditions
20	<u>Operation, installation and maintenance Operation and maintenance manual</u> At least one set of operation, maintenance and service manuals for each microscope, written in English. The manuals to include instructions for setting up the microscope routine cleaning and maintenance (including how to change the bulb changing the batteries inside the pack. installing and using the mirror (for when the electric lamp is not working) planning periodic maintenance
21	<u>Installation</u> The successful bidders must arrange for the equipment to be installed by certified or qualified personnel any pre requisites for installation to be communicated to the purchaser in advance, in detail The bidders to also provide on-site user training on how to use and maintain the microscope
22	<u>Warranty</u> Should provide minimum three years comprehensive warranty,
23	<u>Maintenance</u> Comprehensive maintenance including repair parts for five years after completion of warranty period The purchaser at their discretion may conclude CMC for five years on annual payment basis with renewal every year subject to satisfactory performance.
24	<u>After Sales Service</u> The service center should be in India. The supplier to provide an after-sale service that covers the whole country. The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints, and to repair or replace the microscope within 3 days (for hard-to-reach areas 7 days)

Consignee List for LED FM Microscope

JOINT DIRECTOR OF HEALTH SERVICES (lep and tb) pune -6 head-22105175					
Consignee list for LED FM Microscope (2023-24)					
SR.NO	Name Of Consigne	Address	Qty.Of	Name Of District/City TB Office	LED-FM
1	DTO Buldhana	Dist.Tuberculosis officer, Dist. tuberculosis Center , Civil Hospital Campus Buldhana. 4430001 Office Phone No. 07262-242235	1	Buldhana	1
2	DTO Washim	DISTRICT TUBERCULOSIS OFFICE,CIVIL HOSPITAL CAMPUS,AKOLA NAKA	2	Washim	2
3	DTO Aurangabad	Centre,V.I.P Road,Near Aamkhas Maidan,Aurangabad 431001	4	DTO Aurangabad	2
				Aurangabad MC	2
4	DTO Parbhani	District TB Office Civil Hospital Campus, Subhas Road, Parbhani Pin-431401, Ph No-02452-220227	1	Parbhani	1
5	DTO BID	District Tuberculosis Officer, District Tuberculosis Center Beed No.51 Ward) Civil Hospital, Barshi Road, Beed-431122, Ph No 02442-222651	1	Bid	1
6	DTO Latur	Dist. TB Officer, Dist. TB Centre, Latur 1St Flor Old Central Administrative Building, Near Old Collector Office Shivail Chowk Latur Ph. No 02382-252455	1	Latur	1
7	DTO Nanded	District Tuberculosis Officer, District Tuberculosis Center, Shri Guru Govind singh Hospital Campus,	1	Nanded	1
				Nanded MC	
8	DTO Thane	District Tuberculosis Centre, Thane, 4th floor, Old OPD Bldg. Civil Hospital Campus, Thane-400601. Ph No 022-25471227	1	Thane,Rural	
				Thane MC	
				Kalyan Dombivali	1
10	DTO Chandrapur	District Tuberculosis Office Near Dr. Ambedkar College, Ramnagar, Dist. Chandrapur. Pin No. 442401, Ph No 07172-253855	1	Chandrapur	1
11	DTO Gadchiroli	District Tuberculosis Officer, District Tuberculosis Center, Civil Hospital 1st Floor, OPD Section Complex Area,Gadchiroli-Pin-442605, Ph No-07132-222171,07132-222079	1	Gadchiroli	1

13	DTO Wardha	District TB Officer,District TB Centre,Civil Hospital Campus,Wardha. District wardha, Maharashtra State. Pin-442001,Ph No.-07152-243244	1	Wardha	1
14	DTO Ahmadnagar	District Tuberculosis Officer, Civil Hospital Campus,Patrakar Chowak,Manmad Road	2	Ahmadnagar	2
				Ahmadnagar MC	
15	DTO Jalgaon	District Tuberculosis Officer, District TB Centre, Civil Hospital Campus,Jilha Peth Jalgaon Pin-425001,Phone(0)0257-2220555	2	Jalgaon	2
				Jalgaon MC	
16	DTO Nasik	Campus,Trambak Rd,Nashik-422002,Ph No.2316830-2317637	2	Nashik	
				Nashik MC	2
				Malegaon MC	
17	DTO Sangli	District Tuberculosis Centre,OPD No.-66,New IHR Hostel,P.V.P. Govt.Hospital Campus Sangli,Pin Code-416416,Ph No.-0233-2374655/2322867	2	Sangli	2
				Sangli MC	
	DTO Solapur	District Tuberculosis Office, District Tuberculosis Center,Solapur,Civil Hospital Compound-Solapur Pin Code-413003,Ph No.-0217-2310884	1	DTO Solapur	1
				CTO	
18	DTO Sindhudurg	District Tuberculosis Office Sindhudurg,Civil Hospital Compound,Dharmashala Building 1 st Floor Sindhudurg nagari Oras,Tal kudal District Sindhudurg,Pin Code-416812,Ph No.-02362-228728	1	Sindhudurg	1
19	DTO Satara	District Tuberculosis Office, District Tuberculosis Center,Civil Hospital Compound Sadar Bazar,Satara. Tal,Dist.-Satara	1	Satara	1
20	DTO Pune	District Tuberculosis Office, District Tuberculosis Center,Pune(Rural), Ground Floor Aundh Chest Hospital,Aundh Camp,Pune-411027,Ph No.-020-29700054	4	Pune Rural	2
				Pune MC	
				PCMC	2
		TOTAL	30		30

