# **KERALA MEDICAL SERVICES CORPORATION LTD**

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CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

KMSCL in service to public health
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Running Contract Details				
Equipment Name	Microscope with Fluorescent Source Light with FISH			
Running Contract Valid Till	22-02-2021			
Tender Ref No	KMSCL/EP/T301/1352/2018			
Tendered Quantity	10			
Supplier Name	M/s Genuine Scientific Instruments			
GST No	32ADGPB4920K1ZX			
Installation & Delivery Period	8 Week(s)			
Up-time / PM vist	95% & 4 Visits per year			
Warranty period	3 Years			

Supplier`s Details					
Address	Contact Details				
CG: 48 - TC 17/1059	Contact Person	Vinod Aduvally			
Rotary Junction - Near SBT Head Quarters Poojappura P.O	Phone	04712350447			
Thiruvananthapuram - 695 012	Mobile No	8606230066			
	Email	genuinescientific@gmail.com			

Item-wise Price Details								
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total				
1	Microscope with Fluorescent Source Light with FISH Model & Make: HiBand + HiFISH + BX53FL/Applied Spectral Imaging	3221400 Incl.GST :18%	225498	3446898				
2	Computer	118000 Incl.GST :18%	8260	126260				
3	Printer	14750 Incl.GST :18%	1032.5	15782.5				
		3354150	234790.5	3588940.5				

Annual / Comprehensive Maintenance Charges (Exl.Tax)								
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year	
Microscope with Fluorescent Source Light with FISH								
Labour	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	
Comprehensi ve	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	

#### **Other terms & conditions**

- 1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
- 2. The supplier shall submit performance security amounting to 5% of the value of the supply order.
- 3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
- 4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
- 5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

## **Technical Specification**

### **Equipment : Microscope with Fluorescent Source Light with FISH**

- I. Karyotype Work Station
- 1. Microscope with CCD camera for photographic attachment and automated karyotyping system with software for karyotyping and FISH with fluorescent attachment.
- 2. Trinocular microscope high end model with 100 watt transmitted light illumination, Sextuple revolving nosepiece, swing out condenser, wide field 10X/ focuble, field

No. 25 or more

- 3. Plan achromat 10X (0.25), 20X (0.40), Plan achromat 40 X (1.30) universal plan semi apochromate 60 X and 100 X (1.3 oil).
- 4. Hardware monochromatic cool CCD camera; Monochromatic camera with appropriate specifications, compatible to microscope and software.
- II. Karyotyoing and FISH software
- 1. Karyotyping software for G, Q, R banding.
- 2. Automatic exposure and contrast controls for image capturing.
- 3. Large field of view using 2/3 inch CCD camera
- 4. User definable R014 enhanced sizing of chromosome spread./ user defined image capture region.
- 5. Single tool/ single mouse button karyotype analysis
- 6. Multicolour display to validate correct segmentation.

- 7. Fully dynamic karyotype able with no limit to the number of the chromosomes and markers
- 8. User definable karyotype table capability to change the distance and the height between the chromosomes
- 9. Manual counting for chromosomes with index
- 10. Comparisons of metaphases, karyotypes or chromosomes from different karyotypes should be possible
- 11. Fast semi automatic counting of chromosomes
- 12. Multiple undo for any operations
- 13. Should have zoom option in metaphase as well as karyotype table
- 14. Single window with multiple image gallery for up to 24 images (combined karyotype and metaphase image report generation)
- 15. Single window icon for karyotyping, FISH
- 16. Should provide fluorescent attachment and FISH filters, DAPI filters, FITC ORANGE, DUAL, TRIPLE and AQUA
- 17. Ability to adjust distance between homologous chromosomes.
- 18. CCD camera and accessories compatible microscope and software, system, network connectivity
- 19. Software should be FDA approved
- III. Database software
- 1. Advanced single window database with tree view for case details, sample/ cell details, filter, report, generation, report preview, slide co ordinates complete with respective icons
- 2. Dual mode operation for acquisition and analysis
- 3. Statistical report to generate bar graph, statistical information for case distribution of specimen type, referral reason, result, etc
- 4. Multiple automated backups/ data security
- 5. Build in or customizable report format using Microsoft Word
- 6. Multi application imaging data base for all sample types G banded, interface and metaphase, FISH, CGH, SKY, etc
- 7. Ability to scan/import phenotype/digital images of patient within the database.
- 8. Compare same cases or cross case comparison between G band chromosomes, FISH chromosomes
- 9. Fluorescent attachment and FISH filters, DAPI, FITC, ORANGE, DUAL, TRIPLE and AQUA
- 10. Software should be FDA approved
- IV. Computer, Monitor and Printer
- 1. Computer with high end specifications and with operating system; applicable with i5 processor, 1 TB hard drive, 8 GB RAM,

Network card, CD/DVD writer device, keyboard and optical mouse

2. Monitor: 24 inch TFT/ LED monitor or higher

3. Printer: High resolution laser, colour printer

V. Should undertake all calibration of the equipment as per the standards available.