

FILE No. DCEO/GeM/AVM/ Draft 2 03.10.2018															
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Superlative category : Medical equipment and accessories and supplies										42000000					
Major category : Dental equipments and supplies										42150000					
Sub Category : Dental imaging equipement and supplies										42152000					
Dental radiovisiography (RVG) unit with accessories										42152013					
S.No.	Parameters	Grouping		Value 1	Value2	Value 3	Value 4	Value 5	Value 6	Value 7	Golden	Validation	Whether Filter Required	P r i t o y	U n i t
<b>Performance Parameters</b>															
1	Purpose	P	E	Radiovisiography (RVG) is a digital imaging system utilizing an intra-oral sensor in place of radiographic film											
2	Quantity of sensors provided	P	E	One (Adult Size)	Two (Adult Size)	Two (One Adult size and One pediatric size)	One (Pediatric size only)				G				
3	Size of the Adult sensor in mm x mm with tolerance +/- 2mm	P	E	20mm x 30mm	25mm x 30mm	25mm x 35mm	37mm x 25 mm	40mm x 30mm	43mm x 31mm	Not supplied	G				
4	Size of the pediatric sensor in mm x mm with tolerance (+/- 2mm)	P	E	16mm x 24mm	20mm x 30mm	25mm x 30mm	25mm x 35mm	37mm x 25 mm	40mm x 30mm	43mm x 31mm	G				
5				Not supplied											
6	Sensor technolgy	P	E	CCD	CMOS						G				
7	Sensor Corners	P	E	Rounded	Sharp						G				
8	Sensor Edges	P	E	Tapered	Non Tapered						G				
9	Sensor active area (Adult Sensor) in sq mm	P	E	less than 400 square mm	400-500 sq mm	500-600 sq mm	600-700 sq mm	more than 700 sq mm	Not supplied		G				
10	Sensor active area (Pediatric Sensor) in sq mm	P	E	less than 400 square mm	400-500 sq mm	500-600 sq mm	600-700 sq mm	more than 700 sq mm	Not supplied		G				

11	Sensor thickness in mm	P	E	Less than 5mm	5mm -7mm	7mm - 9mm	more than 9mm				G				
12	Sensor connects directly to USB port without any interface	P	E	Yes	No						G				
13	Sensor cable length (metres)	P	E	less than 2 m	2m - 2.5m	2.5 m - 3m	3m - 3.5m	3.5m - 4m			G				
14	Sensor cable flexible and maneuverable	P	E	Yes											
15	Ergonomic design	P	E	Yes											
16	Supplied with a sensor positioning and holding device	P	E	Yes	No						G				
17	Pixel size (micron)	P	E	20-25	25-30	30-35	35-40	more than 40 micron			G				
18	Resolution (Authentic test reports from NABL/ILAC/REPUTED GOVT LABS to support resolution claim are available and will be provided to buyer on demand) in lp/mm	P	E	15- 20	20-25	25-30	30-35	35-40	40 - 45	more than 45	G				
19	Phantom test reports to support resolution claim are available and will be provided to buyer on demand	P	E	Yes											
20	Dynamic range in bit	P	E	9	12	13	14	15	more than 16 bit		G				
21	Sensor (including joint and part of cable length) is water and dust resistant as per IP Code (Authentic test reports from NABL/ILAC/REPUTED GOVT LABS to support resolution claim are available and will be provided to buyer on demand)	P	E	IP67	IP68	IP69	IP69K	IPX0			G				



30	Software has facility to acquire images from intraoral camera which may be of a different manufacturer	SF	E	Yes	No						
31	Updated system diagnostic utilities.	SF	E	Yes	No						
32	Feature to retrieve data/images which are accidentally deleted	SF	E	Yes	No						
33	Ability to email examinations / image directly from software and to read from email	SF	E	Yes	No						
34	Feature of automatic report templates in pdf format	SF	E	Yes	No						
35	Supplied with android app to view, store and synchronize images and patient data on mobile /tablet	SF	E	Yes	No						
36	Supplied with with IOS app to view, store and synchronize images and patient data on mobile /tablet	SF	E	Yes	No						
37	Compatible with Windows and Mac platforms and is TWAIN compatible	SF	E	Yes	No						

**Imaging Software Features**

37	Multiple exposure features for faster and easier exposure	IF	E	Yes	No						
38	Automatic acquisition and save mode	IF	E	Yes	No						
39	Sharpening / cleaning / improving features	IF	E	Yes	No						

40	Single click enhancement for under/over exposed images	IF	E	Yes	No						
41	Support for multiple database archive	IF	E	Yes	No						
42	Patient search by date / assigned No. / name / or other such criteria	IF	E	Yes	No						
43	Updated system diagnostic utilities	IF	E	Yes	No						
44	Localized enhance feature	IF	E	Yes	No						
45	Endodontic filter	IF	E	Yes	No						
46	Periodontic filter	IF	E	Yes	No						
47	Implant filter	IF	E	Yes	No						
48	Ability to email examinations / image directly from software and to read from email	IF	E	Yes	No						
49	Feature of automatic report templates in pdf format	IF	E	Yes	No						
50	Feature of image calibration by measuring point to point distance	IF	E	Yes	No						
51	Manual luminosity, brightness and contrast correction	IF	E	Yes	No						
52	Comes with android app to view, store and synchronize images and patient data on mobile /tablet	IF	E	Yes	No						
53	Supplied with IOS app to view, store and synchronize images and patient data on mobile /tablet	IF	E	Yes	No						

54	Manufacturer has more than 3 years of experience in manufacturing RVG sensors (documentary proof will be provided to the buyer)	IF	E	Yes	No										
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**Accessories**

55	Sleeves for sensor protection	A	E	1000	1500	2000	2500	3000	Not supplied						
56	Glossy paper for printing	A	E	300 sheets	500 sheets	1000 sheets	Not supplied								
57	Positioners	A	E	1	2	3	4	5	Not supplied						
58	USB Cables in m	A	E	3	4	5	6	More than 6 m							

**Certifications**

59	Product/ model Certification	C	E	USFDA	European CE	BIS certification									
60	Certification details such as Certificate No and Date	C	T												
61	If BIS marked , Please provide CM/L no otherwise put NA	C	T												
62	OEM shall be holding ISO Certification	C	E	Yes	No										
63	Product instruction manual (Original brochure) to be supplied	C	E	Yes	No										
64	Technical demonstration and training to be arranged at buyer's premises after delivery	C	E	Yes											
65	OEM and supplier certificate that equipment is original and new and not a refurbished / reconditioned product to be provided at time of supplies	C	E	Yes	No										
66	Guarantee & Warranty in years	C	E	1	2	3	4	5							



