

E. List of Essential Ophthalmology Equipment & Instruments
Section –E, Code no. – OEI

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	OEI	Group-A Equipments	
1	OEI 001	Phacoemulsification Machine	2
2	OEI 002	YAG Laser	1
3	OEI 003	Slit Lamp	12
4	OEI 004	Keratometer	6
5	OEI 005	A Scan	2
6	OEI 006	Corneal Topography	1
7	OEI 007	Electric Bipolar CAUTARY with cutting spray & Bipolar mode at least 400 W (for general surgery use)	2
8	OEI 008	Cryophthalmic unit providing controlled freezing & defrosting by use of freon or Nitrous oxide as refrigerants unit to be supplied with pencils for cataract Extraction, glaucoma & retinal detachment. Foot switch with two way control for efficient freezing and rapid defrosting	3
9	OEI 009	Bipolar cautery (wet field)	6
10	OEI 010	Phoco Emulsi Fication System with Vitrectomy Basic	Each
11	OEI 011	Clinical Specular Microscope	Each
12	OEI 012	Autorefractometer	Each
13	OEI 013	Autorefractometer with Keratometer	Each
14	OEI 014	Streak Retinoscope	Each
15	OEI 015	Flash Autoclave	Each
16	OEI 016	Operating Microscope	Each
17	OEI 017	Vitrectomy Machine	Each
18	OEI 018	Corneal Topograph	Each
19	OEI 019	Optical Coherence Tomography	Each
		Group-B Equipments	
20	OEI 021	Eye-lid retractor-Des, Marres Pattern solid blades, small, Medium & Large ISI Marked	12 Each (Small Medium Large)
21	OEI 022	Dilators, Punctum (Wilders Pattern) Infant & Adult	12 Each (Small Medium Large)
22	OEI 023	Lacrimal Sac Dissector Lang's Pattern ISI Marked	4
23	OEI 024	Lacrimal rougine	6
24	OEI 025	Muscle Hook Stevens ISI Marked	12
25	OEI 026	Iris Repositer-Thin Blade ISI Marked	12
26	OEI 027	Fixation forceps grafe's Pattern fine toothed S.S. 1:2 & 3:4 ISI Marked	12
27	OEI 028	Tenotomy Scissors, Stevens curve, Blunt or Straight ISI Marked	12 Each (Small Medium Large)
28	OEI 029	Enucleation scissor slightly curved or strongly curved S.S. ISI Marked	6
29	OEI 030	Eye dissecting fine forceps, serrated ISI marked	12
30	OEI 031	Colour blindness book ishiharas colour testing book	12
31	OEI 032	Trial set major : In well Polished wooden case with lock & keys spheres as below : Complete spheres in pairs concave & convex viz :	10

		0.25,0.50,0.75,1.0,1.25, 1.50,1.75,2.0,2.25,2.50,2.75, 3.0,3.25, 3.50,4.0,4.50,5.0, 5.50,6.0, 7.0,8.0,9.0,10.0, 11.0,12.0,14.0, 16.0,18.0,20.0 D-Cylinders convex & concave in pairs or 0.25, 0.50 0.75,1.0,1.25,1.50,1.75,2.0,2.25, 2.50,3.0,3.50,4.0,5.0, 6.0, following accessories Black Pinholes ft. one red, One green, One crossed cylinder prism 1/2, 1,2,3,4,5,6 prism dioptoes & one Maddox rod.	
32	OEI 033	Distant vision Snellen's chart & near vision (Jaeger chart)	24
33	OEI 034	Revolving self illuminating testing drums, drum should have English, Hind dots, "E" type letter type on plastic panels with well polished metal frame to be fitted in the wall with worth four dot test, friend test.	12
34	OEI 035	Trial frame interpupillary distance adjustable for three lenses suitable for adults/Children.	24 Each (Small Medium Large)
35	OEI 036	Castroviejo knife blade holder & Blade cutter (Breaker)	12
36	OEI 037	Capsule forceps (Arrugas)	12
37	OEI 038	Cylinder of freezing gas with dial for reading	3
38	OEI 039	Cryo pencil (Spare) Washers	6
39	OEI 040	Maddox wing	3
40	OEI 041	Artificial Eyes set with different size for right & left eye	12 set
41	OEI 042	Evisceration spoon small & large	6 Each (Small Medium Large)
42	OEI 043	Metal lid spatula jeeger	12
43	OEI 044	Dastoor superior rectus forceps S.S.	12
44	OEI 045	West Boneqouge for lacrimalsac	6
45	OEI 046	Freer Periosteal elevator twin S.S.	6
46	OEI 047	Ronguer forceps for DCR size 1,2,3 S.S. (Kerri son)	6 Each (Small Medium Large)
47	OEI 048	Tono meter (Shiotz)	12
48	OEI 049	Ophthalmoscope specialist model with case and one spare bulbe	12
49	OEI 050	Ophthalmoscope Spare bulb	24
50	OEI 051	Streak Retinoscope Dustproof. Single control for vergence and rotation. 3.5 V Halogen Bulb. One Spare bulb. Convertible rechargeable Power handle.	12
51	OEI 052	Retioncope spare bulbs	24
52	OEI 053	Binocular loop (Binocular) with plastic Band adjustable/ Binocular magnifier with plastic frame	6
53	OEI 054	Aqueous chamber irrigation cannulae for fitting in ordinary syringe, (Disposable)	12
54	OEI 055	Double way A.C. irrigating cannule (Reverse Simcoe)	24
55	OEI 056	Mosquito Artery forceps (Hartman)	24
56	OEI 057	Wire speculum for Children 4mm wide blade	24
57	OEI 058	Wire speculum for Adult	24
58	OEI 059	Lacrimal sac retractor (Stevenson) Self retaing	12
59	OEI 060	Lacrimal sac retractor (Knapp) (Blunt)	12
60	OEI 061	Lacrimal sac protector	12
61	OEI 062	Muscle hook (Jameson) small & large	12
62	OEI 063	Lens Expresser & spatulas (Kirby)	12
63	OEI 064	Corneal scissors S.S. curved Blunt tips, medium blade (Castroviejo) Universal	24
64	OEI 065	Kerato plasty scissors, universal Blunt Tips, Medium blades curved (Castroviejo)	24
65	OEI 066	Vanna's scissors long handle extra thin sharp points 10mm, Long Blades	24
66	OEI 067	Capsulotomy scissors Extra thin long blades	24
67	OEI 068	Vitreous scissors vertical cut 60 ⁰ with gauge Gills vannas with Irrigation	12
68	OEI 069	Tenotomy scissors curved Blunt tips medium Blades, (West cott)	24
69	OEI 070	Strabismus scissors Blunt tips, Ring, handle straight & curved (Knapp)	12

70	OEI 071	Needle Holder extra delicate micro jaw short model without lock straight 7 curved (Barraquer)	24
71	OEI 072	Super sharp Blade, Lance tip Blade for side port, 1.5mm. Straight	2000
72	OEI 073	Tunnel Blade 3mm angle 60 ⁰ for making tunnels	2000
73	OEI 074	Slit blade 3mm angle 45 ⁰ to enter in to anterior chamber	2000
74	OEI 075	Slit enlarging Blade, Blunt 5mm angle 45 ⁰ for extension of slit	1000
75	OEI 076	Bard Parker blade No. 11,15	1000
76	OEI 077	Chalazion forceps oval, 13mm & 20mm diameter (Desmarras)	12
77	OEI 078	Lens Expresser & Vectis (Kirby)	12
78	OEI 079	Lens Expresser and repository (Kirby)	12
79	OEI 080	Cilia forceps lightly angled, smooth jaws 9Barraquer)	12
80	OEI 081	Cilia forceps (Beer)	12
81	OEI 082	Corneal forceps, Castroviejo Colibri/ or Mc Pherson very Delicates 1x2 Teeth 0.12mm with tying plate form straight & curved	24
82	OEI 083	Suturing forceps Castroviejo 1x2 Teeth tying plate form straight 0.5mm.	24
83	OEI 084	Suture tying forceps smooth jaws 5mm platform straight Mc Pherson	24
84	OEI 085	Micro corneal forceps (Hosking) straight fine (Pierce type)	24
85	OEI 086	Plain forceps with criss cross serrated tips (bishop Harmon)	24
86	OEI 087	Iris forceps very delicate curved (Colibri)	12
87	OEI 088	Nasal speculum, Infant child & adult	6 Each
88	OEI 089	Descement's membrane Punch 1mm diameter tip (Kelly's)	6 Each
89	OEI 090	Lacrimal trephines with centre pin & without centre Pin	6 Each
90	OEI 091	Lacrimal chisel straight	6
91	OEI 092	Lacrimal mallet for DCR	6
92	OEI 093	Lens manipulators Sinsky type 0.2mm diameter Blunt tip angled round handle	24
93	OEI 094	Heat cautery coppr-conotype	6
94	OEI 095	Capsulorhexis forceps very delicate extraeuly thin 11mm long shanks (UTRATA)	24
95	OEI 096	Lens holding forceps- (Mc Pherson) smooth jws, 5mm long Plateform 11mm angled for implanting IOL	24
96	OEI 097	Ptosis forceps (Berke) with side lock	12
97	OEI 098	Enteropion forceps (SNELLEN)	12
98	OEI 099	Mosquito forceps delicate 145mm long curved	24
99	OEI 100	Bulldog clips- (Serra fine) 1.5" long straight	6
100	OEI 101	Keratoplasty scissors (Castroviejo angled toside-medium)	24
101	OEI 102	Iris scissors- Barraquer blunt tips 7mm long blades	24
102	OEI 103	Eye scissors-standers, pointed tips, curved, ring handle 4.5 long	24
103	OEI 104	BP handle No. 3 flat	12
104	OEI 105	Irrigating wire vectis (Simcoe)	12
105	OEI 106	Bone nibbling Ronguer forceps (kerrison) 9mm opening Size : 1,2,3	12
106	OEI 107	Lacrimal probe set of 4 sizes 0000 & 000, 00&0, 1&2, 3&4	12
107	OEI 108	Lacrimal dilator (Castroviejo) double ended fine & medium tapers	12
108	OEI 109	Lacrimal dilator infant	12
109	OEI 110	Simcoe cannula S.S. for Irrigation & Aspiration	100
110	OEI 111	Kerato Plasty knife- Pear shaped (Barraquer)	12 Each (Small Medium Large)
111	OEI 112	Kerato Plasty spatula (dastoor)	12 Each (Small Medium Large)
112	OEI 113	Corneal graft stand-brass chrome (Tudor Thomas)	6
113	OEI 114	Teflon Block for Corneal cutting (Lieberman)	50
114	OEI 115	Corneal graft holding forceps (Dastoor)	12
115	OEI 116	Corneal trephine size 5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10 & 11mm diameter (Castroviejo)	100 Each (Small

		7,7.5, 8, 8.5, 5, 5.5, 6.0, 6.5, 9.0, 9.5, 10, 11mm	Medium Large) 20 Each (Small Medium Large)
116	OEI 117	Calliper (Castroviejo) straight 20mm spread	6
117	OEI 118	Enucleation spoon	6
118	OEI 119	Lens dilator (Lewicky) Lens Manipulating Hook	24
119	OEI 120	Keener-Arlt Small Size. Lens loop for SICS	6
120	OEI 121	Castro ergo blade breaker & Holder	24
121	OEI 122	Trial set Lenses having power from + 0.25d To +25 D Sphare. Cylindrical Lenses from +0.25 to + 6 D. Should have aluminium rims. Wooden Box (Illuminated) with Accessories. A. Good Quality Trial Frame. B. IPD Scale. C. Red Glass Green Glass, Occluder, Pin Hole, Stenopic Slit. Maddox Rod.	12
122	OEI 123	Snellen's Distance visual Acuity Chart. 1. Visual Chart Drum containing English, Hindi, C Chart and E Chart. 2. Chart should be of durable acrylic sheet with black test types on white background. 3. Test should contain Worth 4 Dot Test and Friend test. 4. Should be self illuminated with bulb/CFL, operational at 220 volt. 5. Drum should be calibrated for use at a distance of 20feet (6 metres). 6. Test Types should be from 6/60 (20/200) to 6/6(20/20). 7. Drum should be attached to a rotating frame, which can be wall mounted.	12
123	OEI 124	Ishihara Chart 38 plate Pseudo-is chromatic charts based on ISHIHARA. Plates should be cardboard with plastic coating or plastic material and durable. Guide for Test book should be provided.	6
124	OEI 125	Near Vision Chart Near Vision Chart Drum containing English, Hindi, C. Chart and E Chart. Should be self illuminated with bulb/CFL and contain switch/button for on-off operation, operational at 220 volt. Test types should be from J1 to J6. Chart should be of durable acrylic sheet with black test types on white background.	12
125	OEI 126	Indirect Ophthalmoscope	6
126	OEI 127	HESS Screen	1
127	OEI 128	Disposable handle for above Cautory	12
128	OEI 129	Artificial Anterior chamber for DSEK (KERATOPLSTY)	2
129	OEI 130	Spatula for DSEK (Small Medium Large)	4
130	OEI 131	Colour Vision Book	Each

Note:

1. The above section wise list of essential equipments and instruments is prepared and catalogued/coded based on past experience of purchase requirement of Medical Institutions.
2. The equipments of Group-A require annual maintenance & repair services and the group-B instruments do not require annual maintenance.
3. The Deletion or Addition of items may be suggested from the catalogued items.
4. The demands shall be submitted with code number of items.
5. The firm should have its own manufacturing plant and should have its own quality control and research laboratory.
6. The equipment should be US FDA/ISO 9001-2008/E-CE certified with certificate no. etc.
7. After installation the firm should provide detail technical, manual and facility for interfacing with E-Parikshan software (DICOM compatibility with serial/USB port for online reporting & data storage etc.)
8. The manufacturer should have service engineer locally based in zonal head quarter of Rajasthan.

9. The list of engineer working in Rajasthan with their appointment proof and contact no. and address should be provided.
10. The equipment should be pest proof.
11. Bidder should submit original literature/broacher of Quoted Model, Technical compliance detail & should clearly demonstrate having any deviation between technical specifications & broacher/literature of the quoted model.