राज्यातील सार्वजनिक आरोग्य विभागांतर्गत (National Institute of Virology) च्या धर्तीवर एम. आय.व्ही. (Maharashtra Institute of Virology) स्थापन करण्यासाठी येणाऱ्या खर्चास प्रशासकीय मान्यता देणेबाबत...

महाराष्ट्र शासन
सार्वजनिक आरोग्य विभाग
शासन निर्णय क्रमांकः प्रशामा-२०२५/प्र.क्र.३७०/रूशआ-१ ई.क्र.१४०९३९९
गो.ते.रुग्णालय संकुल, आठवा मजला, संकुल इमारत
मंत्रालय, मुंबई ४०००००१
दिनांक : ०४ नोव्हेंबर,२०२५.

वाचा :-

१) शासन निर्णय क्रमांक प्रशामा-२०२५/प्र.क्र.११४/आ-३ ०८ वा मजला, गो.ते.रुग्णालय संकुल इमारत, नवीन मंत्रालय, मुंबई-४००००१, दिनांक २४ एप्रिल, २०२५

२) उपसंचालक, आरोग्य सेवा, राज्य सार्वजनिक प्रयोगशाळा, पुणे यांचे पत्र जा.क्र. उसंआसे /रासाआप्र /भांडार/ एम.आय. व्ही./प्र.मा./८१७४-७८/२००२५ / दि. ०१.११.२०२५

३) बैठक क्र. २०२५/प्र.क्र. १९१/रूशआ-१ ई.क्र. १२७९४७० दि. ३०.१०.२०२५ रोजीच्या बैठकीचे इतिवृत्त.

प्रस्तावना :-

आरोग्य विभागांतर्गत प्रयोगशाळेमध्ये आर.टी.पी.सी.आर. सुविधा निर्माण करणेकरीता वाचा येथील संदर्भ क्र.१ येथील शासन निर्णय दि. २४.०४.२०२५ अन्वये, सदर प्रयोगशाळांसाठी जागा उपलब्धता, यंत्रसामुग्री, मनुष्यबळ यासंधिचा सविस्तर प्रस्ताव सादर करण्याच्या अटीच्या अधिन राहून तत्वत: प्रशासकीय मान्यता देण्यात आली होती. याबाबत मा. मंत्री महोदय यांनी दि. ०६.०८.२०२५ च्या बैठकीमध्ये घेण्यात आलेल्या निर्णयानुसार उपसंचालक, राज्य सार्वजनिक आरोग्य प्रयोगशाळा, पुणे यांचा दि. ३१.१०.२०२५ रोजीच्या प्रस्तावानुसार एन.आय.व्ही. च्या धर्तीवर महाराष्ट्र राज्यात एम.आय.व्ही. (Maharashtra Institute of Virology) लॅब स्थापन करण्याकरीता आवश्यक जागेचे नियोजन, आवश्यक यंत्रसामुग्री व मनुष्यबळ यासंबधिचा सविस्तर प्रस्ताव (DPR) GOI च्या मार्गदर्शक

तत्वानुसार रूपये ६०.०० कोटी रकमेचा प्रस्तावास प्रशासकीय मान्यता देण्याची बाब शासनाच्या विचाराधीन होती.

शासन निर्णय :-

सार्वजनिक आरोग्य विभागाच्या विभागांतर्गत (National Institute of Virology) च्या धर्तीवर एम. आय.व्ही. (Maharashtra Institute of Virology) स्थापन करण्यासाठी येणाऱ्या सविस्तर प्रकल्प अहवाल (DPR) GOI च्या मार्गदर्शक तत्वानुसार रूपये ६०.०० कोटी रकमेचा प्रस्तावास खालील अटी व शर्तीच्या अधीन राहून सोबत जोडलेल्या परिशिष्ट क्र. १ ते ५ नुसार प्रशासकीय मान्यता देण्यात येत आहे.

२. अटी व शर्ती:-

१) महाराष्ट्र इन्सिटटयुट ऑफ व्हायरालॉजी (एम.आय.व्ही) हा प्रकल्प संपुणे टर्नकी पध्दतीने कार्यन्वित करण्यात यावा तसेच किमान ५ वर्ष कालावधीकरिता हॅन्ड होल्डिंग पध्दतीने चालविण्यात यावा.

२) महाराष्ट्र इन्सिटटयुट ऑफ व्हायरालॉजी (एम.आय.व्ही) हा प्रकल्प संपुणे टर्नकी (Tern Key) पध्दतीने कार्यन्वित करण्यात यावा व किमान ५ वर्ष कालावधीकरिता हॅन्ड होल्डिंग (Hand Holding) सुध्दा टर्नकी (Tern Key) पध्दतीने सेवा व वस्तु पुरविणाऱ्या कंञाटदारामार्फत चालविण्यात यावा.

३) (BSL३) व्हायरालॉजीआणि BSL३ बॅक्टेरियोलॉजी प्रयोगशाळेच्या स्थापनेसाठी सर्व टर्नकी कॉन्ट्रॅक्टसमध्ये सुविधा, उपकरणे आणि त्यातील आवश्यक जोडणी (फीटींग आणि फीक्स्चर) यासह सर्व बाबींमध्ये भारत सरकारच्या जैवतंञज्ञान विभागाकडून मिळालेल्या जैवसुरक्षा प्रमाणपञांचे तसेच एनएबीएल आणि आयएसओ / आयईसी १७०२५:२०१७/ आयएसओ १५१८९:२०२२ मानकांचे यशस्वी प्रमाणीकरण साध्य

करण्यासाठी भारत सरकारच्या प्रमाणित संस्थेच्या मानकांचे पालन सुनिश्चित करणे आवश्क आहे.

४) खरेदी करावयाची उपकरणे ही आंतरराष्ट्रीय दर्जा / मानके असलेलीच खरेदी करण्यात यावीत.

५) प्रकल्प सुविधा कामकाज कार्यान्वित करणेपूर्वी सद्य:स्थितीत कार्यरत असलेले विभागाची सर्व गरजेच्या सुविधांसह पुनर्रचना करण्यात यावी.

६) प्रकल्पाकरीता अत्यावश्यक असलेल्या बीएसएल-३ (व्हायरॉलॉजी व बॅक्टरॉलॉजी) पायाभूत व प्रयोगांसाठी आवश्यक यंञणा सुविधा निर्माण केल्यानंतर उपकरणे खरेदी करण्याची दक्षता घ्यावी.

७) ढोबळ स्वरुपात धरण्यात आलेलया तरतूदीबाबत काम करतेवेळी विस्तृत अंदाजपञक करुनच काम हाती घ्यावे.

८) सदर कामाची निविदा काढताना प्रत्येक कामाची स्वतंञपणे निविदा न काढता नमुद सर्व कामांसाठी एकच निविदा काढण्यात यावी.

९) सदर काम मंजूर रक्कमेत व विहित कालावधीत पुर्ण होईल याची दक्षता घेण्यात यावी. तसेच सदर कामे उपलब्ध निधी मधुन करण्यात यावे.

१०) शासन निर्णय उद्योग ऊर्जा व कामगार विभाग दिनांक २४ ऑगस्ट २०१७ अन्वये वस्तू व सेवा खरेदीसाठी गव्हर्नमेंट ई-मार्केटप्लस (GEM) याची कार्यपध्दती व मार्गदर्शक सूचनांनुसार निवेदेची कार्यवाही करण्यात यावी.

११) सदर उपकरणे यंञ व इतर साहित्य सामुग्रीची खरेदी ही महाराष्ट्र वैद्यकिय वस्तु खरेदी प्राधिकरण आरोग्य भवन, मुंबई यांच्या मार्फत करण्यात यावी.

३. सदर शासन निर्णय वित्त विभाग शासन निर्णय दि. १७.०४.२०१५ मधील वित्तीय अधिकार नियमपुस्तिका १९७५ भाग पहिला उपविभाग क्र. २ पुस्तिकेतील मधील अनुक्रमांक ३७ नियम क्र. ९० अन्वये प्रशासनिक विभागास प्रदान करण्यात आलेल्या अधिकारात निर्गमित करण्यात येत आहे.

४. सदर शासन निर्णय वित्त विभाग शासन निर्णय दि. १७.०४.२०१५ मधील वित्तीय अधिकार नियमपुस्तिका १९७५ भाग पहिला उपविभाग क्र. २ पुस्तिकेतील मधील अनुक्रमांक ३७ नियम क्र. ९० अन्वये प्रशासनीक विभागास प्रदान करण्यात आलेल्या अधिकारात निर्गमित करण्यात येत आहे.

५. सदर शासन निर्णय महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेताक २०२५११०४०८५१३१२९१७ असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षांकित करुन काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

SANJAY DATTARAM MAHADESHWAR

Digitally signed by SANJAY DATTARAM MAHADESHWAR
DN: c=IN, o=GOVERNMENT OF MAHARASHTRA, ou=PUBLIC HEALTH DEPARTMENT, 2.5.4.20=759D43D3CA03F08520A6D49169531E74206CD3908988BE0690FEAD8F00F6A3EB, postalCode=400032, st=Maharashtra, serialNumber=09A8917EDE715503310B61D8A24357A945B188F3A254ABA25AC8365BB66E4EE8, cn=SANJAY DATTARAM MAHADESHWAR
Date: 2025.11.04 12:21:41 +05'30'

(संजय महाडेश्वर)
अवर सचिव, महाराष्ट्र शासन.

प्रत,

१) महालेखापाल, (लेखा परिक्षा / लेखा व अनुज्ञेयता), महाराष्ट्र- १/ २, मुंबई/ नागपूर.
२) आयुक्त, आरोग्य सेवा तथा अभियान संचालक, राष्ट्रीय आरोग्य अभियान, मुंबई.
३) संचालक (१), आरोग्य सेवा, मुंबई.
४) संचालक, (२), आरोग्य सेवा, पुणे.
५) सहसंचालक (अर्थ व प्रशासन) मुंबई/पुणे
६) उपसंचालक,आरोग्य सेवा, राज्य सार्वजनिक आरोग्य प्रयोगशाळा, पुणे
७) मुख्य कार्यकारी अधिकारी, महाराष्ट्र वैद्यकीय वस्तु खरेदी प्राधिकरण, आरोग्य भवन मुंबई.
८) सहायक संचालक, लेखा व लेखापरीक्षा , आरोग्य सेवा, पुणे.
९) जिल्हा कोषागार अधिकारी पुणे.
१०) कायार्सन अधिकारी व्यय-१३ /विनियम कार्यासन वित्त विभाग, मंत्रालय , मुंबई.
११) निवडनस्ती, रूशआ-१

Sr No.	Particulars	Cost in INR in Cr	% Spending	Attached Files
1	Equipments for biosafety labs Virology and Bacteriology	24.65	43.13	Annexure I
2	Consumables for both labs	3.23	5.67	Annexure II
3	Facilities Virology Bacteriology BSL3 Lab 7909 sq ft	12.88	22.54	Annexure III
4	Furniture and upgrading existing lab, Skill development centre	11.74	15.54	Annexure IV
5	Establishing MIV as per NIV with all technical support and Handholding	7.5	13.12	Annexure V
	Total Budget required to for Making of str and functional MIV with all aspects	60	100	

Annex-I

Sr. No.	List of equipments	QTY	Section	Price INR in Cr
1	Autoclave fully automated 150 lit SS for sterilization only	1	BSL3 Virology	
2	Autoclave fully automated 150 lit SS for sterilization only	1	BSL3 Bacteriology	
3	Autoclave fully automated horizontal Passthrough for core lab 200 lit BSL3 grade for decontamination only	1	BSL3 Virology	
4	Autoclave fully automated horizontal Passthrough for core lab 200 lit BSL3 grade for decontamination only	1	BSL3 Bacteriology	
5	Autoclave table top 20 lit SS for PPE deconmation only	2	BSL3 Virology	
6	Autoclave table top 20 lit SS for PPE deconmation only	2	BSL3 Bacteriology	
7	Automated Nucleic Acid Extractor	1	BSL3 Virology	
8	Automated Nucleic Acid Extractor	1	BSL3 Bacteriology	
9	Bacterial compound microscope with camera	1	BSL3 Virology	
10	Bacterial compound microscope with camera	3	BSL3 Bacteriology	
11	Bacteriological incubator	2	BSL3 Bacteriology	
12	Barcode reader 2D (96 well plate)	1	BSL3 Virology	
13	Barcode reader 2D (96 well plate)	1	BSL3 Bacteriology	
14	Basic power supply 100 V/100W/ 100 miliAmpere digital display	2	BSL3 Virology	
15	Basic power supply 100 V/100W/ 100 miliAmpere digital display	2	BSL3 Bacteriology	

16	Biosafety Cabinet BSII A2 ANSI certification for WHO grade	3	BSL3 Virology	
17	Biosafety Cabinet BSII A2 for core bacterial isolation lab	3	BSL3 Bacteriology	
18	Biosafety Cabinet BSII B2 for bacterial preparation	2	BSL3 Bacteriology	
19	Biosafety Cabinet BSII B2 ANSI certification for WHO grade	2	BSL3 Virology	
20	BOD incubator with Refrigerated (4 degree C) temperature with orbital shaking at base and incubation on top	1	BSL3 Bacteriology	
21	Clinical centrifuge 5000 rpm for bacterial pelleting in Bacterial lab	2	BSL3 Bacteriology	
22	Clinical centrifuge 5000 rpm for cell suspension ATC lab	1	BSL3 Virology	
23	CO2 Cylinder	2	BSL3 Virology	
24	CO2 incubator	2	BSL3 Virology	
25	Compressor for media filtration	2	BSL3 Virology	
26	Computer with printer	5	BSL3 Virology	
27	Computer with printer	5	BSL3 Bacteriology	
28	Cyclomixure	1	BSL3 Virology	
29	Cyclomixure	1	BSL3 Bacteriology	
30	Deep freezer 400 Lit Vertical -80 degree for DNA/RNA bacteriology lab	1	BSL3 Bacteriology	
31	Deep freezer 400 Lit Vertical -80 degree for DNA/RNA virology lab	1	BSL3 Virology	
32	Deep freezer 100 Lit Horizontal -20 degree bacteriology lab	2	BSL3 Bacteriology	
33	Deep freezer 100 Lit Horizontal -20 degree virology lab	2	BSL3 Virology	
34	Digital label printer for labelling 1.5 ml, 2 ml, 15 ml, 50 ml tubes	1	BSL3 Bacteriology	
35	Digital label printer for labelling 1.5 ml, 2 ml, 15 ml, 50 ml tubes	1	BSL3 Virology	
36	DNA Sequencer: Sanger's DNA sequencing technology with 8 Channel machine common for both labs mutation studies and NGS confirmation	1	BSL3 Bacteriology	
37	NGS DNA sequencer for whole genome sequencing	1	BSL3 Virology	
38	Orbital shaker incubator for rDNA technology with digital controller refrigerated horizontal	2	BSL3 Virology	
39	Double Distillation plant boiler quartz condenser quartz 2 lit per hour	1	BSL3 Virology	
40	Double Distillation plant boiler quartz condenser quartz 2 lit per hour	1	BSL3 Bacteriology	
41	Dry batch for 1.5 ml, 15 ml tube incubation	3	BSL3 Virology	
42	Dry batch for 1.5 ml, 15 ml tube incubation	2	BSL3 Bacteriology	
43	Dunk Tank for Bacterial Biosafety lab	4	BSL3 Bacteriology	

44	Dunk Tank for Virology labs	4	BSL3 Virology	
45	Egg incubator for virology lab	2	BSL3 Virology	
46	ELISA Reader	1	BSL3 Bacteriology	
47	ELISA Reader	1	BSL3 Virology	
48	ELISA Washer automated	1	BSL3 Virology	
49	ELISA Washer automated	1	BSL3 Bacteriology	
50	Eye wash with shower	2	BSL3 Virology	
51	Eye wash with shower Bacterial Biosafety lab	2	BSL3 Bacteriology	
52	Fluorescent microscope inverted for ATC virology	2	BSL3 Virology	
53	Fume hood for bacteriology lab	1	BSL3 Bacteriology	
54	Fume hood for virology lab	1	BSL3 Virology	
55	Gel casting unit for small and large tray	2	BSL3 Virology	
56	Gel casting unit for small and large tray	2	BSL3 Bacteriology	
57	Gel doc system Gel imager	1	BSL3 Virology	
58	Gel doc system Gel imager	1	BSL3 Bacteriology	
59	Gel electrophoresis mini gel 100 to 200 ml gel capacity	2	BSL3 Virology	
60	Gel electrophoresis mini gel 100 to 200 ml gel capacity	2	BSL3 Bacteriology	
61	Gel electrophoresis mini gel 50 to 100 ml gel capacity	2	BSL3 Virology	
62	Gel electrophoresis mini gel 50 to 100 ml gel capacity	2	BSL3 Bacteriology	
63	Hot air oven 300 lit	1	BSL3 Virology	
64	Hot air oven 500 lit	1	BSL3 Bacteriology	
65	Ice flaking machine	1	BSL3 Virology	
66	Ice flaking machine	1	BSL3 Bacteriology	
67	Ice Lined Refrigerator Horizontal - 20 degree for biowaste storage before disposal	1	BSL3 Bacteriology	
68	Ice Lined Refrigerator Horizontal - 20 degree for biowaste storage before disposal	1	BSL3 Virology	
69	Instant Water softner without chemicals	1	BSL3 Bacteriology	
70	Instant Water softner without chemicals	1	BSL3 Virology	
71	Laminar air flow	2	BSL3 Virology	
72	Laminar air flow	2	BSL3 Bacteriology	
73	Laminar air flow	2	BSL3 Virology	

74	Laminar air flow	2	BSL3 Bacteriology	
75	Liquid Nitrogen container with canisters	2	BSL3 Virology	
76	Loop sterilizer	2	BSL3 Bacteriology	
77	Lyophilizer	1	BSL3 Bacteriology	
78	Micropipette Single channel variable 100 to 1000 ul	10	BSL3 Virology	
79	Micropipette Single channel variable 100 to 1000 ul	10	BSL3 Bacteriology	
80	Micropipette Single channel variable 2 to 20 ul	10	BSL3 Virology	
81	Micropipette Single channel variable 2 to 20 ul	10	BSL3 Bacteriology	
82	Micropipette Single channel variable 20 to 200 ul	10	BSL3 Virology	
83	Micropipette Single channel variable 20 to 200 ul	10	BSL3 Bacteriology	
84	Micropipette Single channel variable 5 to 50 ul	15	BSL3 Virology	
85	Micropipette Single channel variable 5 to 50 ul	15	BSL3 Bacteriology	
86	Micropipette Single channel variable 0.5 to 10 ul	10	BSL3 Virology	
87	Micropipette Single channel variable 0.5 to 10 ul	10	BSL3 Bacteriology	
88	Micropipette Multichannel variable 1 to 10 ul	1	BSL3 Virology	
89	Micropipette Multichannel variable 1 to 10 ul	1	BSL3 Bacteriology	
90	Micropipette Multichannel variable 20 to 200 ul	1	BSL3 Virology	
91	Micropipette Multichannel variable 20 to 200 ul	1	BSL3 Bacteriology	
92	Micropipette Multichannel variable 5 to 50 ul	1	BSL3 Virology	
93	Micropipette Multichannel variable 5 to 50 ul	1	BSL3 Bacteriology	
94	Microwave oven for gel preparation only	1	BSL3 Virology	
95	Microwave oven for gel preparation only	1	BSL3 Bacteriology	
96	Minispin 6000 rpm for quick spin	10	BSL3 Virology	
97	Minispin 6000 rpm for quick spin	10	BSL3 Bacteriology	
98	Nanodrop DNA RNA quantification kit based	1	BSL3 Bacteriology	
99	Nanodrop DNA RNA quantification kit based	1	BSL3 Virology	
100	Online UPS with battery for all PCRs and DNA sequencer and all analytical digital equipments Bacteriology lab	1	BSL3 Bacteriology	
101	Online UPS with battery for all PCRs and DNA sequencer and all analytical digital equipments in Virology lab	1	BSL3 Virology	

102	PCR - Digital PCR for absolute viral quantification	1	BSL3 Virology	
103	PCR Basic model for initial skill development and ready to do kits without standardizations Bacteriology	1	BSL3 Bacteriology	
104	PCR Basic model for initial skill development and ready to do kits without standardizations Virology	1	BSL3 Virology	
105	PCR Gradient for Bacteriology lab for annealing temperature standardization	1	BSL3 Bacteriology	
106	PCR Gradient for Virology lab for annealing temperature standardization	1	BSL3 Virology	
107	PCR workstation	2	BSL3 Virology	
108	PCR workstation	2	BSL3 Bacteriology	
109	pH meter digital	2	BSL3 Virology	
110	pH meter digital	2	BSL3 Bacteriology	
111	Passboxes Dynamic for bacterial BSL lab	9	BSL3 Bacteriology	
112	Passboxes Dynamic for bacterial BSL lab	9	BSL3 Virology	
113	Phase contrast inverted microscope for ATC virology	2	BSL3 Virology	
114	Photocopy machine	1	BSL3 Virology	
115	Photocopy machine	1	BSL3 Bacteriology	
116	Real Time PCR for ready to do RTPCR for bacterial testing	1	BSL3 Bacteriology	
117	Real Time PCR for ready to do RTPCR for viral testing	1	BSL3 Virology	
118	Refrigerated Centrifuge with two rotors 1.5 ml 15 ml 50 ml	2	BSL3 Virology	
119	Refrigerated Centrifuge with two rotors 1.5 ml 15 ml 50 ml	2	BSL3 Bacteriology	
120	Refrigerated Centrifuge with two rotors 1.5 ml 15000 rpm	4	BSL3 Virology	
121	Refrigerated Centrifuge with two rotors 1.5 ml 15000 rpm	4	BSL3 Bacteriology	
122	Refrigerator 400 Lit double door for lab purpose	5	BSL3 Virology	
123	Refrigerator 400 Lit double door for lab purpose	5	BSL3 Bacteriology	
124	SDS PAGE System with semi dry blot all bloting WB SB NB for bacterial protein studies	1	BSL3 Virology	
125	SDS PAGE System with semi dry blot all bloting WB SB NB for viral protein studies	1	BSL3 Virology	
126	Sonicator for bacterial cell lysis in bacterial lab	1	BSL3 Bacteriology	
127	Spectrophotometer 200 to 900 nm range open system for DNA RNA Protein estimation	1	BSL3 Bacteriology	
128	Spectrophotometer 200 to 900 nm range open system for DNA RNA Protein estimation	1	BSL3 Virology	
129	Universal power supply 500 V/500W Digital display	1	BSL3 Virology	

130	Universal power supply 500 V/500W digital display	1	BSL3 Bacteriology	
131	Vacuum concentrator	1	BSL3 Virology	
132	Water sample manual concentrator	1	BSL3 Bacteriology	
133	Vortex shaker mixture	10	BSL3 Virology	
134	Vortex shaker mixture	10	BSL3 Bacteriology	
135	Ultra Pure Water purification system ATC grade	1	BSL3 Virology	
136	Ultra Pure Water purification system bacterial culture prep grade	1	BSL3 Bacteriology	
137	Water bath 16 flask of 250 ml capacity	1	BSL3 Virology	
138	Water bath 16 flask of 250 ml capacity	1	BSL3 Bacteriology	
139	Weighing machine 0.000 gram sensitivity 300 gm capacity	2	BSL3 Virology	
140	Weighing machine 0.000 gram sensitivity 300 gm capacity	2	BSL3 Bacteriology	
141	Weighing machine 0.0000 gram sensitivity 100 gm capacity	1	BSL3 Virology	
142	Server for bioinformatics work BSL3 bacterial bioinformatics lab	1	BSL3 Bacteriology	
143	Server for bioinformatics work viral bioinformatics lab	1	BSL3 Virology	
144	Eye wash with shower, 1 Common, 1 BSL3 Bacteriology and 1 BSL3 Virology	3	BSL3 and Common	
145	MALDI TOF MS	1	BSL3 and Common	
146	Electron Microscope for virus ultrastrucutre with cryoEM faclility	1	BSL3 Virology	
147	Ultra Centrifuge 80000 rpm	1	BSL3 Virology	
148	BacT Alert 3D	1	BSL3 Bacteriology	
149	VITEK 2C Microbial Automation	1	BSL3 Bacteriology	
150	ChiStak	1	BSL3 and Common	
151	16 Module CBNAAT	1	BSL3 Bacteriology	
	TOTAL Cost Of above equipment,Including Gst 5 Years Warranty & 5 Years CMC (Approx)			**24.65**

Annex-II

Consumables For Both labs for 1 Years (Annex-II)	Price INR in Cr
DNA/RNA Extraction Kits	
PCR Kits	
RT-PCR Kits	
Electrophoresis Reagents	

Sanger DNA Sequencing Kits	
NGS DNA Sequencing Kits	
Cell Culture Media/Reagents	
ELISA Kits	
Plasticware for 1000 samples tests for 20 different tests	
Glassware labware and miscellaneous lab items	
Contingency 7.5 % on sonsumables and recurring items	
Total Cost Of Above Item (Approx)	**3.23**

Annex-III

Sr. No.	Category	Description & Facilities Virology BSL3 Labs Approx 7909 Sqft (Annex-III)	Price INR in Cr
1	BSL3 Facility with HVAC Panelling ceiling etc. with entire setup	Modular Wall Panels: Structural division of labs to create isolated working environments	
		Ceiling Panels: Provides structural support and acoustic efficiency	
		Chilled Water/Hot Water Piping System: Necessary temperature control for lab processes	
		Air Handling Units (AHUs): Provides conditioned air for environmental control	
		Exhaust System: Removes contaminated air from the laboratory	
		Air Filtration System: Filters particulates and contaminants from lab air	
		HEPA Filtration System: Ensures air cleanliness in laboratories, crucial in BSL labs	
		Supply and Exhaust Air Ducting: Facilitates proper airflow throughout the lab	
		Negative Pressure Exhaust System (for BSL-3 only): Maintains a negative pressure in the lab	
		Pressure Adjustment and Control System: Regulates air pressure for safety and compliance	
		Dampers: Controls airflow and pressure in duct systems	
		Wet and Dry Shower Systems: Provides decontamination for personnel entering and exiting labs	
		Air Compressor: Supplies compressed air for laboratory equipment	
		Ventilated Type Garment Storage Cabin: Stores personal protective equipment and garments	
		Power Distribution System: Supplies electrical power throughout the lab	

		Alarms: Provides safety alerts for system failures or emergencies	
		Internal Light Points, Power Points, Fittings, and Fixtures: Provides lighting and electrical supply	
		Communication Facilities (Intercom and LAN): Enables internal communications and network connectivity	
		UPS and Inverter: Ensures uninterruptible power supply for critical systems	
		Door Interlock & Access Control System: Controls access to ensure laboratory security	
		CCTV System: Surveillance for security monitoring and compliance	
		Comprehensive Annual O&M Service: Ongoing maintenance services for laboratory facilities	
		AMC/CMC With 5 Years Warranty: Covers maintenance support for laboratory equipment	
	BSL3 facility all components	**Total Cost For BSL3 Facility All Above Componets**	**12.88**

Annex-IV

Description & Facilities Furniture And Upgrading existing labs, Skill Development (Annex-iv)	**Price INR in Cr**
Lab infra, lab furniture and cerfications	
Laboraory furniture for all three sections. Reception meeting hall, conferene hall etc.	
Laboratory Workstation: Provides spaces for conducting experiments and analysis	
Water Softening Plant: Treatment of water to remove hardness and impurities	
Effluent Decontamination System: Treats effluent before disposal to ensure safety	
Biological Effluent Decontamination System: Specifically treats biological waste	
Chemical Treatment Plant: Manages treatment of chemical waste	
Fire Detection and Alarm System: Ensures safety through detection of smoke and fire hazards	
NABL Accreditation Consultation: Provides guidance for laboratory accreditation	
External Validation: Third-party validation of laboratory systems	
Internal Training Programs: Ensures staff are trained on safety and operational procedures	
Services & Utilities: Covers general maintenance, power, water, and sewage services	
Skill Development, mini auditorium, teaching aids, video conferencing connectivity to Pan Maharashtra labs	
Lab infra, lab furniture and cerfications along with existing lab sec shifting and rearrangement	**11.74**

Annex-V

	Scope of work for Establishment, Transition and Handholding BSL3 Labs of MIV Pune (Annex-iv)	
Sr No	**Establishment, Transition with 5 Years of Handholding.**	**Price in**

		INR in Cr
1	**Establishment Phase**	
1A	**Site Assessment and Planning**	
	Evaluate space for BSL-3 laboratories in the existing campus, support for advising in existing campus Camp Vs Aundh Campus, RCC building, ref etc.	
	Infrastructure requirements and design planning, layout, presentations, Pune and Mumbai, Mantryalaya, Commissioners office etc	
1B	**Design and Compliance**	
	Laboratory design services (layout, workflow, safety, etc.). Design 1.0: June 2025, Design 2.0 Aug 2025 with presentation	
	Compliance with regulatory standards (Biosafety, Environmental, etc.). Based on WHO manual 3rd edition, and as per revised by Govt of India, VDRL etc.	
1C	**Equipment Selection and Procurement**	
	Identification and specification of lab equipment, based of specific test to be conducted in the lab and technical reference e.g. VDRL lab list	
	Vendor selection and negotiation for procurement.	
1D	**Construction Oversight**	
	Monitor construction and installation as per finalized design and any revison as per need of the best possible condition with mutual discussion with Dy. Dir.	
	Ensure compliance with specifications and timelines and any revision of design without deviation from the biosafety standards	
1E	**Laboratory Setup and Validation**	
	Installation of equipment and facilities along with Warranty/AMC/CMC plus IQ/OQ/PQ for NABL acreditations	
	Validation processes and quality checks: Desirable Global Standard Or Minimum Indian Standard for WHO or DBT ICMR/NABL norms	
2	**Transition Phase**	
2a	**Operational Planning**	
	Skill human resource development from avaialable MIV SFHL Pune	
	Develop standard operating procedures (SOPs)., i Fire safety	
	Training programs for lab personnel on BSL2+ operations: instruments, workflow, man material flow, safety precaution, Sterilization Decontamination, Temperature and Pressure monitoring, Air and Water shower use etc. Lab notebook and integration to LIMS if required, Database of sample receipt to reporting and archival etc.	
2b	**Regulatory Compliance and Certification**	
	Assist with the application for regulatory certifications, NABL, Department of Biotechnology, Govt. of India	
	Conduct mock inspections before official assessments.	
2c	**Initial Operations Support**	

	Oversee the first few months of laboratory operations including handholding for troubleshooting, teaching theory part, checking practical aspects, point out mistake and providing refresher course kind support for batch or to individuals as per requirement till minimum staff gets indipendent work habits without further support for that particular technology	
	Provide troubleshooting support and adjustments for all the tests to be conducted as per initial plant of making MIV as independent research institution	
3	**Simultaneous 5 Years of Handholding for establishing MIV as research institute**	
3a	**Ongoing Training and Development**	
	Continuous professional development programs for staff, plus train the trainers to make culture of skill transfer from newly trained staff to newly recruited staff	
	Updates on new regulations and technologies. WHO 2017 3rd Edition, Field Virology, Flint Virology, Bergys, manual etc. plus molecular biology reference books journal reading	
3b	**Research Support**	
	Assistance in grant applications and research protocol development. Sumit Research Project grant e.g. ideation to proof of concept 1 Cr to 8 Cr to DBT Govt of India	
	Collaboration on research projects and publications, Involving research partners from the state of Maharashtra, e.g. Microbiologist Society of India, Virology Society and academic and research institutes in Maharastra State	
3c	**Annual Audits and Reviews (ISO standards for documentation of lab book, instrument maitainance audit etc.)**	
	Conduct annual operational audits to ensure compliance.	
	Provide recommendations for improvements. (e.g.Adding new services, business plan etc.)	
3d	**Strategic Planning**	
	Develop a long-term strategic plan for research as well as business growth for MIV generated funds based on facilities	
	Facilitate partnerships with other research institutions, private companies for pharaceutical testing, cattle industry, dairy, poulty, fisheries, meat industries	
3f	**Public Welfare activity for reaching to socieity's most neglected areas in health and education**	
	Education: Skill Development short term training for college students in Maharashtra with recurring and consumable cost	
	Health: e.g. Sickle cell anemia prenatal diagnosis: Providing free service to aleady known sickle cell carrier status women in Maharashtra so that poor and needy couple will not suffer from lifelong pain of giving birth of SCD patients.	
1+2+3	**Establishment, Transition, with simultaneous 5 Years of Handholding to establish MIV as research institute (Approx)**	7.5 Cr