
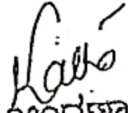


Print date & time : 11/06/2019, 10:34:17 AM

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ಕರ್ನಾಟಕ ಸರ್ಕಾರ ನೋಂದಣಿ ಹಾಗೂ ಮುದ್ರಾಂಕ ಇಲಾಖೆ ಪ್ರವೃತ್ತಿ 15 (78 ನೇ ಪ್ರಕರಣ ಹಾಗೂ 110ನೇ ನಿಯಮವನ್ನು ನೋಡಿ)	
Receipt No : 616	ಕಛೇರಿ : ಧಾರವಾಡ
Original	ದಿನಾಂಕ : 11/06/2019
ಶ್ರೀ UNICHEM LABORATORIES UD AND KUD DHARWAD - ಇವರಿಂದ ಸ್ವೀಕರಿಸಲಾಗಿದೆ	
1 ಸಂಖ್ಯೆಯ ಶೋಧನೆ / ಖಾಜಾನಾ ಪ್ರದರ್ಶನ ಅರ್ಜಿ	
ಮುದ್ರಾಂಕ ಶುಲ್ಕ	ರೂ. ಪೈ. 25000.00
ಒಟ್ಟು :	25000.00
Rs. 25000.00 By Challan Challan No CR0619003001635898 Rs.25000/- dated 10/Jun/2019.	
ನಗದಾಗಿ ಸ್ವೀಕರಿಸಿದ ಮುದ್ರಾಂಕ ಶುಲ್ಕ :	0
ಒಟ್ಟು :	25000.00
(ಅಕ್ಷರದಲ್ಲಿ) (ರೂ. ಇಪ್ಪತ್ತೈದು ಸಾವಿರ)	
 ಉಪ ನೋಂದಣಾಧಿಕಾರಿ ಸಬ್ ರೆಜಿಸ್ಟ್ರಾರ್ ಧಾರವಾಡ	

Designed and Developed by C- DAC ACTS Pune.

Remitter's copy



Challan Validity ಚಲನ್ ಬಾಲ್ಡಿ ಅವಧಿ	District ಜಿಲ್ಲೆ	Department Name ಇಲಾಖಾ ಹೆಸರು	DDO Office ಡಿಡಿಒ ಕಛೇರಿ	
Challan expires On 15/06/2019	DHARWAD	DEPARTMENT OF STAMPS AND REGISTRATION	SUB REGISTRAR OFFICE, DHARWAD	
Category ವರ್ಗ	Date ದಿನಾಂಕ	Challan Reference Number ಚಲನ್ ಉಲ್ಲೇಖ ಸಂಖ್ಯೆ	DDO Code ಡಿಡಿಒ ಕೋಡ್	
Government	10/6/2019	CR0619003001635898	116040	
Remitter Name ಸಂದಾಯದಾರನ ಹೆಸರು	UNICHEM LABORATORIES LTD AND KUD DHARWAD			
Address ವಿಳಾಸ	JOGESHWARI (WEST) MUMBAI 400102			
Purpose ಉದ್ದೇಶ	Head of Account ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ	Sub Purpose Name ಉಪ ಉದ್ದೇಶ ಹೆಸರು	Purpose Specific ID ಉದ್ದೇಶ ನಿರ್ದಿಷ್ಟ ಐಡಿ	Amount ಮೊತ್ತ
Duty (Stamp Duty)	0030~02~103~0~01~000	Intellectual Property Rights assignment/transfer Agreement [Article No. 5 (i-c)]	NA	25000
Remittance Bank ಸಂದಾಯ ಮಾಡುವ ಬ್ಯಾಂಕ್	STATE BANK OF INDIA	Grand Total ಒಟ್ಟು ಮೊತ್ತ	25000.00	
		Total Amount in Words ಒಟ್ಟು ಮೊತ್ತ ಅಕ್ಷರಗಳಲ್ಲಿ	Twenty Five Thousand	
Payment Status ಪಾವತಿ ಹಂತ	Payment pending with agency bank.			
Payment Details ಪಾವತಿ ವಿವರಗಳು				
Payment Mode ಪಾವತಿ ವಿಧ	Cash			

TRUE COPY



AGREEMENT

This AGREEMENT ("Agreement") is entered into on <sup>13<sup>th</sup></sup> day of June 2019 ("Execution Date")

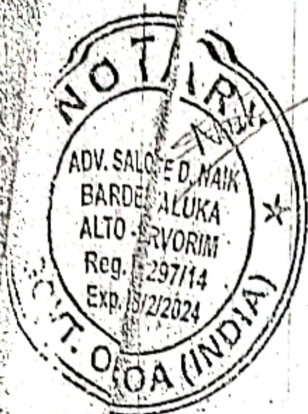
BY AND BETWEEN:

1. Unichem Laboratories Limited, a Company incorporated and existing under the laws of India and having its registered office at Unichem Bhavan, Prabhat Estate, Off S.V. Road, Jogeshwari (West), Mumbai-400 102 (hereinafter referred to as "Unichem", which expression, unless repugnant to the context or meaning thereof, shall include its successors and permitted assigns); and
2. Karnatak University, Dharwad, an Institute having its registered office at Karnatak University, a University established under the Karnataka University Act 1949, erstwhile Bombay Province and affiliated to the University Grants Commission in India and having its Campus at Pavate Nagar, Dharwad-580003 and represented by its Registrar (hereinafter referred to as "KUD", which expression, unless repugnant to the context or meaning thereof, shall include its successors and permitted assigns).

Unichem and KUD shall hereinafter individually be referred to as "Party" and collectively as "Parties".







- A. The Parties entered into a Memorandum of Understanding dated 2005 ("2005 MoU"), pursuant to which the Parties agreed to undertake a research project titled "Molecular cloning and *Sclerotium rolfsii* lectin: Exploitation of the Recombinant protein for immunochemical and serological applications" ("Project"). The term of the 2005 MoU expired on September 2007.
- B. Subsequently, the Parties:
- (a) jointly filed the patent applications before the Controller General of Patents, Designs and Trademarks and other Authorities, details of which are set out in Annexure I ("Patent Applications"); and
  - (b) have been granted the patents, as joint holders, by the Controller General of Patents, Designs and Trademarks and other Authorities, details of which have been set out in Annexure II ("Patent Registrations").
- C. Thereafter, the Parties entered into a Memorandum of Understanding dated 24 May 2013 ("2013 MoU"), to re-capture their understanding on jointly undertaking the Project. The term of the 2013 MoU expired on 23 May 2015.
- D. KUD invited Unichem for a meeting which was held on 25<sup>th</sup> May 2019 at the Syndicate Hall, KUD, Dharwad, along with the members of KUD and representatives of Unichem, listed in the minutes of meeting duly signed by the members present therein. After deliberating Unichem's change in the Business model and strategy and KUD's request for Unichem building an Animal House and the estimate thereon, relevant resolutions were passed as enumerated in the Proceedings of the meeting held on the aforesaid date.
- E. The Syndicate of the KUD, Dharwad, held its meeting on 7<sup>th</sup> June 2019 wherein the aforesaid resolutions were approved. With reference to same the following points were agreed upon.
- F. KUD and Unichem have now agreed that in consideration and on the terms and conditions set out herein, KUD will, on and from the Execution Date, transfer all of KUD's rights, title and interest (including all Intellectual Property Rights (as defined hereafter) thereunder) in and to the Project and any modification and derivatives thereof (collectively, the "Project Rights") in favour of Unichem.
- G. In view of the foregoing, the Parties have set forth in this Agreement, the terms and conditions of transfer, assignment, relinquishment and renunciation of the Project Rights by KUD.







1. Assignment and transfer: KUD hereby agrees that, on and from the Execution Date, all rights, title, interest (including all Intellectual Property Rights) of KUD in the Project Rights which have either arisen as on the Execution Date, or which may arise at any time in the future, shall stand transferred, assigned, relinquished and renounced to Unichem, on and from the Execution Date. On and from the Execution Date, Unichem shall have the sole right, title and interest in and to the Project Rights.

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For the purposes of this Agreement "Intellectual Property Rights" means any and all intellectual property or proprietary rights and shall include all rights as applicable relating to any patent rights (including the Patent Applications, Patent Registrations, continuation applications, continuation-in-part applications, divisional applications and disclosures), know how, work product, inventions (whether patentable or otherwise), manufacturing process rights, if recognised in any country or jurisdiction in the world and trademark rights (including logos, trade names and service marks and all applications and registrations relating thereto). For the purpose of clarity, all intellectual property including data, records, software programs, information and methods related to the Project Rights and components developed in connection with the Project Rights shall be considered as Intellectual Property Rights, whether or not patentable, confidential or otherwise or otherwise subject to intellectual property protection laws.

2. Patent Applications and Patent Registrations:

Without prejudice to the generality of Clause 1, on and from the Execution Date, KUD assigns and transfers to Unichem all their rights, title and interest in and to the Patent Applications and the Patent Registrations, to be held by Unichem wholly and absolutely. Notwithstanding whatever is stated in this Clause 2, KUD and KUD's inventors shall have all the academic rights, including publication and right to claim inventorship to these Patent Applications and Patent Registrations.

3. Consideration: In consideration of KUD assigning, transferring, relinquishing and renouncing its right, title and interests in the Project Rights under this Agreement, Unichem shall construct the Animal House Facility for, and on behalf of KUD, in accordance with Clause 4.

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For the purposes of this Agreement, the term "Animal House Facility" means the animal house facility to be constructed and developed by Unichem either directly or through a contractor hired by Unichem at the premises of KUD situated at KUD Campus, Dharwad and having such particulars as may be intimated to Unichem by KUD from time to time.

4. Construction of the Animal House Facility: The Parties agree to the following in relation to the construction and development of the Animal House Facility:

- 4.1 The construction and development of the Animal House Facility shall be undertaken by Unichem for, and on behalf of, KUD;
- 4.2 The construction and development of the Animal House Facility shall be undertaken either by Unichem directly or through a contractor appointed by it, at its sole discretion;
- 4.3 KUD shall be responsible for obtaining all consents, permits, licenses, authorizations and make all intimations as may be necessary or required under applicable laws or arrangements with third parties in relation to the construction, development, maintenance and operations of the Animal House Facility. For the avoidance of doubt, Unichem shall not be required to obtain any consents or make any intimations in relation to the construction, development, maintenance and operations of the Animal House Facility;
- 4.4 On completion of the construction and development of the Animal House Facility, Unichem shall transfer any rights that it may have in the Animal House Facility to KUD and, thereafter, KUD shall maintain and operate the same and KUD shall have all rights, title and interest in the Animal House Facility. After the handing over of possession of the Animal House Facility to KUD, Unichem shall not be responsible, in any manner whatsoever, in relation to the Animal House Facility (including its operation and management);
- 4.5 Subject to Clause 4.8, the maximum costs that may be incurred by Unichem and the maximum liability of Unichem towards construction and development of the Animal House Facility, whether such liability arises shall before or after completion of construction of the Animal House Facility, shall not exceed INR 2,50,00,000 (Indian Rupees Two crores Fifty lakhs only) ("Maximum Construction Cost");
- 4.6 The construction of the Animal House Facility shall be completed within a period of 15 months from the Execution Date ("Construction Period");
- 4.7 In the event construction of the Animal House Facility is not completed within the Construction Period, Unichem shall be liable to pay the difference between (a) the Maximum Construction Cost; and (b) the costs already incurred in relation to the construction of the Animal House Facility;
- 4.8 Notwithstanding anything contained in this Agreement, it is hereby agreed that the liability of Unichem under this Agreement (including in relation to the construction of, and whether before or after the construction of, the Animal

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### "CERTIFICATE"

Certificate under section 10A of the Karnataka Stamp Act, 1996

Certified that a sum of Rupees 250000 (in words) Two Lakhs Fifty Thousand only

being the proper stamp duty has been paid to the SBI Main Br. Dharwad under challan No. 116/2019

by Sd/- Unichem Laboratories KUD Dharwad

Dtd./W/o. 11/6/2019

SENIOR SUB REGISTRAR  
DHARWAD





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5. Further Assurances: KUD and Unichem shall, at all times, act in good faith in the discharge of their respective obligations under this Agreement and not do anything which would constitute a contravention of its terms. KUD and Unichem shall undertake all further acts, deeds, matters, things and execute and deliver all such instruments, and take such other and further action as may be appropriate or necessary to carry out the intention of the Parties as expressed in this Agreement (including for vesting the full right, title and interest in and to the Project Rights in favour of Unichem).

6. Representations: Each Party represents and warrants to the other that:

- 6.1 The execution and performance of its obligations under this Agreement shall not be in violation of any law or any other agreement to which it is party;
- 6.2 there are no claims, disputes, demands, awards, arbitrations, orders of attachment, injunctions or any other orders or proceedings, whether passed, pending, anticipated or threatened, against it, which would in any manner prevent any transaction contemplated by this Agreement from taking place in the manner contemplated by this Agreement;
- 6.3 that its signatory hereto has been validly authorised by the respective entity which it represents in this Agreement to execute this Agreement for and on its behalf and to bind it to the terms of this Agreement while carrying out its rights and obligations hereunder;
- 6.4 that it has the power and authority to execute this Agreement and perform its obligations hereunder; and
- 6.5 it is not aware of any legal, quasi-legal, administrative, arbitration, mediation, conciliation or other proceedings, claims, actions, governmental investigations, orders, judgments or decrees of any nature made, existing, threatened, anticipated or pending by or against it which may prejudicially affect the due performance or enforceability of this Agreement or any obligation, act, omission or transaction contemplated hereunder.



121. 80  
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1. Patent application titled "Cancer Cell Binding Recombinant Lectin with Antitumor Activity and Method of Preparation" bearing application number WO/2010/095143, filed on 27 May 2009;
  2. Patent application titled "Cancer Cell Binding Recombinant Lectin with Antitumor Activity and Method of Preparation" bearing application number EP18187607.9 (divisional of EP2430041), filed on 27 May 2009; and
  3. Patent application titled "Recombination Lectin and Method of Preparing Thereof" bearing application number WO/2014/203261, filed on 2 February 2010.







8.

Confidentiality: Each of the Parties agree and undertake that it shall treat as strictly confidential all information received or obtained by it or its officers, managers, employees, agents or advisers in relation to the Project Rights, or as a result of entering into or performing this Agreement, the negotiations leading up to this Agreement, the subject matter of this Agreement or the business or affairs of the other Party, and agrees not to disclose or furnish to or use for the benefit of any person, any such information.


9.

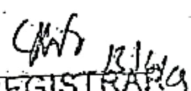
Entire Agreement: This Agreement together with its Annexures constitutes the entire agreement between the Parties relating to the subject matter hereof and supersedes any and all prior agreements and understandings, including the letters of intent, emails, letters and discussions between the Parties hereto with respect to the subject matter herein.

IN WITNESS WHEREOF the Parties have executed this Agreement at on the day and date first herein written:

Unichem Laboratories Limited

Karnatak University

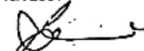
  
Dilip Kulkarni  
(Director Technical)  
Authorized Signatory

  
REGISTRAR  
Karnatak University,  
Authorized Signatory

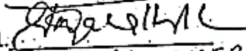


Witness:

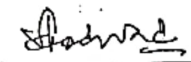
Witness:

1. 

D.B. NARVEKAR  
BQM-FR, Unichem Labs Ltd.

1. 

Director, PMEB, KUD  
Planning, Monitoring & Evaluation Board  
Karnatak University, Dharwad.

2. 

(GURESH H. DODWAD)  
QA - Accounts & Finance  
UNICHEM LABS LTD.

2. 

Resident Engineer  
Karnatak University,  
DHARWAD-3.

1. Patent titled "Cancer Cell Binding Recombinant Lectin with Antitumor Activity and Method of Preparation" bearing Patent number 277986, granted on 7 December 2016
2. Patent titled "Recombination Lectin and Method of Preparing Thereof" bearing patent number 285407, granted on 19 July 2017;
3. Patent titled "Cancer Cell Binding Recombinant Lectin with Antitumor Activity and Method of Preparation" bearing Patent number EP2430041, granted on 31 October 2018; [This patent is validated and in force in 35 European countries (Austria (AT), Belgium (BE), Bulgaria (BG), Switzerland (CH), Cyprus (CY), Czech Republic (CZ), Germany (DE), Denmark (DK), Estonia (EE), Spain (ES), Finland (FI), France (FR), UK (GB), Greece (GR), Croatia (HR), Hungary (HU), Ireland (IE), Iceland (IS), Italy (IT), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU), Latvia (LV), Monaco (MC), Macedonia (MK), Malta (MT), Netherlands (NL), Norway (NO), Poland (PL), Portugal (PT), Romania (RO), Sweden (SE), Slovenia (SI), Slovak Republic (SK), Turkey (TR))]



CERTIFIED TRUE COPY OF THE ORIGINAL  
SR. No. 1567 DATED 14/06/2019

Mrs. Salome D. Naik  
Advocate & Notary  
Bardez Taluka  
Alto-Porvorim, Goa  
Reg. No. 297



# SM ENTERPRISES

No. 15, Sri Sumukha Nivas, APC Circle, Jigani Industrial Area,  
Anekal Taluk, Bangalore - 560105. Ph - 08029795256 / 8904450199

Webmail : [www.sment.co.in](http://www.sment.co.in)

Email : venkatesh.sment@gmail.com

DATE: 07.10.2020

SME/Q-024 - R3/2020-21/DHARWAD UNIVERSITY-ANIMAL PLANT

This is the approved B.O.Q by unichem laboratories ltd for HVAC, Paneling, electrical and civil works.

Thanking you,

With Warm Regards,

N. Venkatesh

Mob: 8904450199.

Commercial  
abstract:

DHARWAD ANIMAL LAB							
BOQ				SUPPLY		INSTALLATION	
Sl No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	RATE	AMOUNT
	HIVAC						
1	AIR HANDLING UNIT (Recirculatory type System)						
	Supply, Installation, Testing and Commissioning of Recirculatory type floor mounted Double skinned Air handling unit made out of 0.6mm pre coated outer and plain GI inner skin with 45 mm thick Thermal break PUF insulated with 40 Kg/M <sup>3</sup> density, comprising of 15 Micron Fresh air filter with volume control damper, mixing chamber, 10 Microns Pre filter section with filter, DX coil, SS-304 drain tray, Blower section with backward curved plug type centrifugal fan with suitable rated(NFLP) EFF1 motor & necessary electrical controls, Vibration isolators, Inspection doors, limit switch, view Lamps (NFLP) & accessories., 5 Micron Fine filter section with filter, 0.3 Micron Bleed air filter with damper, magnehelic guage box with port between filter sections, Empty Section with Aluminium volume control outlet damper for supply and return. Complete Units shall be mounted on a common base frame & suitably rated neoprene pads. (Make:SME)						
1.1	AHU -1-(ISO-8) -6000cfm, 125mm wg, 7.5 kw, 11 TR	1	No's	695000	695000	25500	25500
2	AIR HANDLING UNIT (ONCE THROUGH SYSTEM)						

	Supply, Installation, Testing and Commissioning of Once through floor mounted Double skinned Air handling unit made out of 0.6mm pre coated outer and plain GI inner skin with 45 mm thick Thermal break PUF insulated with 40 Kg/M <sup>3</sup> density, comprising of 15 Micron Fresh air filter with volume control damper, mixing chamber, 10 Microns Pre filter section with filter, DX coil, SS-304 drain tray, Blower section with backward curved plug type centrifugal fan with suitable rated(NFLP) EFF1 motor & necessary electrical controls, Vibration isolators, Inspection doors, limit switch, view Lamps (NFLP) & accessories., 5 Micron Fine filter section with filter with damper and 0.3 Micron Heppa filter section with filter. magnehelic guage box with port between filter sections, Empty Section with Aluminium volume control outlet damper for supply and return. Complete Units shall be mounted on a common base frame & suitably rated neoprene pads. (Make:SME)						
2.1	AHU-2 & 3(ISO-8) Capacity: 4000 cfm @ 125 mm wg ,5.5 KW, 11 TR,	2	No's	450000	900000	25500	51000
3	EXHAUST UNITS						
	Supply, Installation, Testing and Commissioning of once through type, floor mounted Double skinned exhaust Air unit, made out of 0.6mm pre coated outer and plain GI inner skin with 45 mm thick Thermalbreak PUF insulated with 40 Kg/M <sup>3</sup> density, comprising of 10 Microns Pre filter section with filter. Blower section with backward curved plug type centrifugal fan with suitable rated(NFLP) motor & necessary electrical controls, Vibration isolators, Inspection doors, limit switch, view Lamps & accessories, Empty Section with Low leakage Aluminium volume control outlet damper. Complete Units shall be mounted on a common base frame & suitably rated neoprene pads. Note:Inclusive of all filters Make:SME						
3.1	EAU-2 & 3- Capacity: 4000 cfm @ 65mm wg ,2.2 KW.	2	No's	287625	575250	20500	41000
3.2	EAU-4- Capacity: 2000 cfm @ 65mm wg ,1.1KW.	2	No's	150500	301000	20500	41000
4	VENTILATION UNITS						
	Supply, Installation, Testing and Commissioning of once through type, floor mounted Double skinned ventilation Air unit, made out of 0.6mm pre coated outer and plain GI inner skin with 45 mm thick Thermalbreak PUF insulated with 40 Kg/M <sup>3</sup> density, comprising of 10 Microns Pre filter section with filter. Blower section with backward curved plug type centrifugal fan with suitable rated(NFLP) motor & necessary electrical controls, Vibration isolators, Inspection doors, limit switch, view Lamps & accessories, 5 micron Fine filter section with filter, Empty Section with Low leakage Aluminium volume control outlet damper. Complete Units shall be mounted on a common base frame & suitably rated neoprene pads. Note:Inclusive of all filters Make:SME						
4.1	VAU 1 - 2000 CFM, 65 mm wg, 2.2kw (5mic)	1	No's	175000	175000	20500	20500
5	Supply, Installation, Testing and commissioning of Ductable split Unit - 8.5 TR	1	No	145000	145000	8500	8500
6	DUCTING						
	Supply and installtion of Pre/Hand fabricated Ducting using GI sheet with TDF type flange. (MAKE:SME)						
6.1	22 G	80	Sq Mts	925	74000	250	20000
6.2	24 G	400	Sq Mts	825	330000	200	80000
7	INSULATION						



	Supply and installation of Thermobreak / equivalent Insulation laminated with Aluminium foil for supply and return air ducts (MAKE: SUPREME/ARMAFLEX/AEROLAM)						
7.1	13 mm thick (for supply ducts )	400	Sq.Mts	525	210000	200	80000
7.2	9 mm thick ( for return ducts )	150	Sq.Mts	425	63750	200	30000
7.3	50mm width Aluminum foil tapes	80	Roles	250	20000	100	8000
8	Supply and installation of Aluminium volume control dampers for units and main branches (MAKE: SME)	6	Sq.Mts	9500	57000	1250	7500
9	Supply and installation of GI powder coated module for supply and return with volume control damper	25	No's	6500	162500	950	23750
10	Supply and installation of aluminium powder coated 450x450mm 4 way diffuser for supply and return module	16	No's	3500	56000	750	12000
11	Supply and installation of fire retardant canvas cloth with GI Flanges for AHU units.	16	Nos	2500	40000	1250	20000
12	Supply and installation of fire retardant canvas cloth for Module	25	Nos	650	16250	350	8750
13	Support Structures :						
13.1	Supply, Fabrication & installation of MS supporting structures with one coat black paint (approximately)	1500	Kgs	105	157500	30	45000
14	Supply, Installation, testing and commissioning of GI powder coated box with Magnheleic gauge, Silicone tube complete set for AHU Unit (Make: Sun controls)						
14.1	0 to 50 mm wg	10	No's	7500	75000	750	7500
14.2	0 to 100 mm wg	2	No's	7500	15000	750	1500
14.3	-5 to +5 mm wg	20	No's	7500	150000	750	15000
15	Supply, Installation, Testing and commissioning of Out door Condensing Unit for AHU unit (Make L.G)						
15.1	11 TR	3	No	175000	525000	12500	37500
16	Supply and installation of Refrigerant copper piping with accessories like ,collar bends , elbows etc., and insulation for condensing units						
16.1	1 1/8"	200	Rft	650	130000	100	20000
16.2	5/8"	200	Rft	550	110000	100	20000
16.3	7/8"	80	Rft	575	46000	100	8000
17	Supply and installation of 40 mm dia PVC Drain Piping with accessories like ,collar bends , elbows etc for AHU's	200	Rft	125	25000	50	10000
18	Supply and installation of R-410A Gas Charging for out door and indoor condensing units in AHU's	50	Kg	950	47500	150	7500
19	Supply and installation of Filter drier for out door condensing units	3	No	4950	14850	750	2250
20	Supply and installation of Expansion valve for out door condensing units	3	No	3950	11850	750	2250
21	Supply and installation of Motorised type GI Fire Damper	4	No	6500	26000	750	3000
22	Field Instruments						
22.1	Duct Mounted type Smoke detector at RA duct	4	NO	15500	62000	750	3000
22.2	On/off type spring return actuator	6	NO	14500	87000	750	4500
22.3	Differential pressure Switch.	3	NO	9500	28500	750	2250
22.4	Return air Temp and RH sensor	3	NO	19500	58500	750	2250
22.5	Fire damper spring return actuator	4	NO	18500	74000	750	3000
23	Instrument Cables & trays						
23.1	4Cx 1 Sqmm copper shielded copper cable	400	Mtr	145	58000	20	8000
23.2	CAT 5e Networking cables between controller	100	Mtr	80	8000	20	2000
24	GI Cable tray for instruments 200mmx50mm Perforated type with accessories.	50	Mtr	650	32500	50	2500
25	GI Cable tray for instruments 100mmx50mm Perforated type with accessories	50	Mtr	375	18750	50	2500
26	GI Cable tray for instruments 50mmx50mm Perforated type with accessories.	50	Nos	295	14750	50	2500
27	PVC Gland for instrument cable 4C x 1Sqmm	40	Nos	35	1400	10	400

28	PVC Junction Box For Termination of Instrument Cable ( For replacing Wire joints)	15	Nos	65	975	15	225
29	Electrical Control Panel for AIU and VAU/EAU						
29.1	Supply, Installation, Testing and commissioning of floor mounted type electrical control panel ( VFD interlock with by pass arrangement DOL / SD panel ) consists stand alone type PLC with HMI for Temperature, RH, DP , Fire Damper controlling and monitoring with status(AIU)	4	Nos	125000	500000	5500	22000
30	validation						
	Commissioning for total job with validation reports comprising of						
30.1	Duct leak test						
30.2	HEPA filter Integrity Test						
30.3	Temperature and Humidity test (Monitoring only)						
30.4	Differential Pressure cascades						
30.5	Velocity check and Room Air Change Rates						
30.6	Room Partial count						
30.7	Room Recovery Test						
30.8	Air flow pattern test by videography						
30.9	Temperature Monitoring using data logger						
	PANELING						
31	Wall Panel						
	Supply and installation of Double skin wall panels made out of 1 mm thick Pre coated Galvanized sheets on Both sides with PUF insulation material of 48Kg/M <sup>3</sup> density, Aluminum / GI sections for reinforcement along the periphery, Suitable floor track to accommodate the epoxy floor flush with the wall panel joints shall be sealed with clean room compatible silicon.						
31.1	100 mm Panel	400	Sq mtr	5100	2040000	400	160000
32	Walkable Ceiling Panel:						
	Supply and installation of Double skin Ceiling panels made out of 1 mm thick Pre coated Galvanized sheets on Both sides with PUF insulation material of 48Kg/M <sup>3</sup> density, Aluminum / GI sections for reinforcement along the periphery, Suitable floor track to accommodate the epoxy floor flush with the wall panel joints shall be sealed with clean room compatible silicon.						
32.1	100mm Panel	240	Sq.mtr	5100	1224000	400	96000
33	Supply and installation of Aluminum powder coated R 50 inner covings for the Entire wall to wall and Floor to ceiling joints with clean room compatible silicon sealant	600	R.Mts	750	450000	300	180000
34	Factory/Sight made wall and ceiling cut outs with C capping for Elc and HVAC	50	Nos.	950	47500	500	25000
35	Supply and installation of Aluminum powder coated R 50 inner covings corner cups	80	Nos.	650	52000	300	24000
36	Supply and installation of Aluminum powder coated R 50 OUTER covings for the Entire wall to wall and Floor to ceiling joints with clean room compatible silicon sealant	30	R.Mts	1150	34500	300	9000
37	Supply and installation of Aluminum powder coated R 50 OUTER covings corner cups	6	Nos.	1650	9900	300	1800
38	Clean Room Doors						
	Supply and installation of Clean room Doors with following accessories i.e. SS ball Bering butt hinges(dorma),SS 304 kick plate, Mottise dead lock(Dorset) SS D type handle(Dorset) Door closer Standard arm - TS 68, vision glass and provision for automatic door bottom seal Frame thickness-1.4mm and Door Skin thickness-1mm						
38.1	Single door - 1000X2100X100 mm	28	Nos.	28500	798000	3500	98000
38.2	Double door - 1500X2100X100mm	1	Nos.	38500	38500	4500	4500
39	Supply and Installation of Two interlocking system.	2	Set	48500	97000	2500	5000
40	VIEW PANEL						



	Supply and installation of Double Glazed Toughened View Glass 6mm Thick on both the side of frame and Double ended adhesive tape, black silicon, complete set as required.						
40.1	Size:1000x1000x6mm (50mm depth)	12	Nos.	12500	150000	1500	18000
41	Supply and installation of Cross over bench	2	No's	45500	91000	1500	3000
42	Supply and Installation of Inbuilt raisers	24	Nos.	22500	540000	1500	36000
43	<b>AIR SHOWER - (MAKE:SME)</b>						
	Supply, Installation, Testing and Commissioning of cleanroom type men entry air shower made out of 1.2mm thick SS304 outer and inner skin, comprising of 5 mic pre filter, maintenance free blower with suitable motor, 0.3mic HEPA filter, both side jet nozzles, electromagnetic inter locking for doors and limit switch with LED lamp Complete Unit operated through PLC based control panel.	2	Nos	355000	710000	12500	25000
	<b>INTERNAL ELECTRICAL</b>						
44	<b>Light point wiring - MAKE: ROMA</b>						
	Supply, Installation, Testing and Commissioning of point wiring using (3R x 1.5) Sqmm 1100V grade stranded FRLS wires of approved make drawn in 19mm dia 2mm thick PVC conduit of approved make including all conduit accessories such as bends, junction boxes etc., complete set. The wiring shall be done in complete looping in system. The switches used shall be moulded fixed in factory made integral MS box With Zink coating units with clear earthing facility. The wiring shall be complete with ceiling roses, switches and all consumables.						
44.1	1 LP controlled by one switch						
	a) Switch, GI-box with SS-304 plate & accessories. b) 19mm dia PVC conduit with bends, collar, junction box etc. c) 3 Runs of 1.5sqmm copper flexible wire.	Pt	50	950	47500	300	15000
44.2	2 LP,s controlled by one switch						
	a) Switch, GI-box with SS-304 plate & accessories. b) 19mm dia PVC conduit with bends, collar, junction box etc. c) 3 Runs of 1.5sqmm copper flexible wire.	Pt	10	1150	11500	350	3500
44.3	3 LP,s controlled by one switch						
	a) Switch, GI-box with SS-304 plate & accessories. b) 19mm dia PVC conduit with bends, collar, junction box etc. c) 3 Runs of 1.5sqmm copper flexible wire.	Pt.	10	1450	14500	400	4000
44.4	4 LP,s controlled by one switch						
	a) Switch, GI-box with SS-304 plate & accessories. b) 19mm dia PVC conduit with bends, collar, junction box etc. c) 3 Runs of 1.5sqmm copper flexible wire.	Pt	5	1650	8250	450	2250
45	<b>6A SOCKET POINT (INDEPENDENT)- MAKE: ROMA</b>						
	Similar to item No.1 Above but 6A 5 pin & earth socket with combined switch of 6A 250V with its box and plate concealed in the wall as per drawing	Pt	15	1350	20250	400	6000
46	<b>6A SOCKET POINT (DEPENDENT)- MAKE: ROMA</b>						
	Supply and installation of 6A 250 V 5 Pin & Earth socket combined switch in lighting control switch board including inter connections complete as required	Pt	15	1150	17250	400	6000
47	<b>16A POWER POINT WIRING</b>						
	Supply and wiring as detailed as in item No.1 above but including supply of 16A switch & socket with two runs of 4sqmm and 1run of 2.5sqmm copper conductor of 1100V grade PVC insulated wire in 25 mm dia 2 mm thick PVC conduit concealed in ceiling/ wall complete as required.	Pt	15	2500	37500	500	7500
48	<b>1 PHASE 20A INDUSTRIAL SOCKET &amp; WIRING- (MAKE: NEPTUNE)</b>						

	Supply & fixing of 2R 4sqmm+1R 2.5sqmm in 25mm Dia PVC conduit including Supply Installation of 20A 2 pin & E metal clad socket with top & 20A 10KA SPMCB in sheet steel enclosure complete as required	Pt	5	3500	17500	650	3250
49	<b>1 PHASE 32A INDUSTRIAL SOCKET &amp; WIRING - MAKE: NEPTUNE</b>						
	similar to item 1 above but with 2R 4sqmm+1R 2.5sqmm in 25mm Dia MS conduit including Supply Installation of 32 3 pin & E metal clad socket with top & 32A 10KA TPMCB in sheet steel enclosure complete as required	Pt	5	4500	22500	650	3250
50	<b>SUB MAIN WIRING: MAKE: KEI</b>						
50.1	Supply and laying of with 4R10sqmm + 2R 4sqmm PVC insulated stranded copper wires of 1100 V grade in 32mm dia MS conduit concealed in wall/slab or in duct complete as required.	Mtr	400	750	300000	150	60000
50.2	Similar to above but 4R 6sqmm + 2R 2.5sqmm in 32 mm dia MS conduit canceled in wall slab or on cable tray complete as required.	Mtr	250	550	137500	150	37500
50.3	Similar to above but 2R 2.5sqmm + 1R 1.5sqmm in 32 mm dia MS conduit canceled in wall slab or on cable tray complete as required.	Mtr	700	250	175000	100	70000
51	<b>MAIN DISTRIBUTION BOARD: MAKE: SCHNIDER</b>						
	Supply and Installation of main distribution board, main switch board with the following MCB's suitable rating in MS box made out of 14 SWG CRCA sheet with lockable hinged door fixed & interconnections earthing complete as required.						
51.1	<b>MCBDB FOR LIGHTING ( 3 PHASE 8 WAY )</b>						
	63A 3P 30mA ELCB as incoming side control 1 No BUS BAR 60A 500V TPN+E Cu. 1 Set OUT GOINGS: 10A/20A 10KA SPMCB 24Nos Neutral Link 1No Earth Link 1 No	No	1	35500	35500	4500	4500
51.2	<b>MCBDB FOR RAW POWER ( 3PHASE 8 WAY )</b>						
	63A 3P 30mA RCCB as incoming side control 1 No BUS BAR 60A 500V TPN+E Cu. 1 Set OUT GOINGS: 10A/20A 10KA SPMCB 24Nos Neutral Link 1No Earth Link 1 No	No	1	35500	35500	4500	4500
51.3	<b>MCBDB FOR UPS POWER ( 3PHASE 4WAY )</b>						
	63A 3P 30mA MCCB as incoming side control 1 No BUS BAR 60A 500V TPN+E Cu. 1 Set OUT GOINGS: 10A/20A 10KA SPMCB 12Nos Neutral Link 1No Earth Link 1 No	No	1	18500	18500	3500	3500
52	<b>LIGHT FITTINGS - (MAKE: HAVELS)</b>						
	Supply, installation, testing & commissioning of following light fittings with tubes, bottom opening type, per wired up to terminal block and all materials required for installation complete						
52.1	1x1' 18 W LED Clean Room Light Fitting	Nos	60	5500	330000	750	45000
52.2	2x2' 34 W LED Clean Room Light Fitting	Nos	60	7500	450000	750	45000
53	<b>CABLE TRAYS - (MAKE: SME)</b>						
	Supply and Installation of GI ladder Type 2mmThick cable Tray with 30mm GI rungs at every 300mm of following width, the rate shall include bends/T's, Supports, partitions where ever required						
53.1	200 x 25mm Perforated	mtrs	80	450	36000	100	8000
53.2	100 x 25mm Perforated	mtrs	80	400	32000	100	8000
54	<b>LT Cables - MAKE: KEI/UNIVERSAL</b>						



	Supply and laying of following sizes of 1.1KV grade XLPE insulated and over all sheathed AL conductor flat steel strip/ wire armored cables conforming to ISS 1554 part1 with latest amendments complete as required, cables laid in ground 750mm below ground level including excavation, back filling making good, cables covered with side and top by backed bricks or in hume pipes or in cable tray complete as required. Note: Actual lengths to be measured at site						
54.1	3 1/2C 50sqmm	mtr	100	650	65000	80	8000
54.2	4 C x 35 sqmm	mtr	100	550	55000	80	8000
54.3	4c x 25Sqmm	mtr	200	450	90000	80	16000
55	Supply and laying of following sizes of 1.1KV grade XLPE insulated and over all sheathed Cu conductor flat steel strip/ wire armored/Unarmoured cables conforming to ISS 1554 part1 with latest amendments complete as required. Note: Actual lengths to be measured at site						
55.1	4C X 6Sqmm	mtr	150	450	67500	80	12000
55.2	4C X 4Sqmm	mtr	100	350	35000	80	8000
55.3	4C X 2.5Sqmm	mtr	100	250	25000	80	8000
55.4	4C x 1.5 Sqmm	mtr	100	225	22500	80	8000
55.5	2C x 1.5 Sqmm	mtr	200	225	45000	80	16000
56	END TERMINATIONS - (MAKE:HIM)						
	Supply and providing of end termination for following LT XLPE cable using heavy duty Brass gland, AL lugs suitable for crimping, end box complete as required.						
56.1	3 1/2C 50sqmm	Nos	10	850	8500	200	2000
56.2	4 C x 35 sqmm	Nos	16	650	10400	200	3200
56.3	4c x 25Sqmm	Nos	16	450	7200	200	3200
57	Supply and providing of end termination for following LT XLPE cable using heavy duty Brass gland, CU lugs suitable for crimping, end box complete as required.						
57.1	4c X 6Sqmm	Nos	12	650	7800	100	1200
57.2	4c X 4Sqmm	Nos	12	550	6600	100	1200
57.3	4c X 2.5Sqmm	Nos	12	450	5400	100	1200
57.4	4C x 1.5 Sqmm	Nos	20	350	7000	80	1600
57.5	4C x 1.5 Sqmm	Nos	20	300	6000	80	1600
58	Supply and providing of GI plate earthing station as per IS 3043 including excavation & backfilling with alternate layers of sand/salt/charcoal/clay with providing of chamber, funnel & cover plate complete as required.	Nos	2	6500	13000	2500	5000
59	Supply and laying of 10SWG CU wire	Mtrs	50	150	7500	25	1250
60	Supply, Installation, Testing and Commissioning of floor mounted type feeder panel for Equipments and ITVAC Units - 400 amps capacity - 20 feeders	Nos	1	550000	550000	25500	25500
61	MODULAR LAB FURNITURE						
	Supply and installation of modular lab furniture cabinet made out of 2 mm thick GI Powder coated (90-120mic) sheet with 30 x 30 x 3mm thick MS tubing legs with nylon pads, providing SS 315 railings for drawers, SS 315 Hinges, SS 304 lock and key arrangement for Drawers, Knee space for computers, Electrical switch and sockets, LAN socket and 20mm jet black granite above the table. Complete design as per the client requirement.	2	Nos	650000	1300000	27500	55000
61.1	Laboratory work bench						
61.2	Island work bench comprising of 6 units with above storage.						
61.3	Wall Cabinets (Over head Units)						
61.4	Fumehood						
61.5	Bio safety cabinete						
61.6	Sink						
61.7	Scrubber Unit						
68	Supply and Installation of Digital type clean room monitoring device for Lab Area	2	Nos	18000	36000	500	1000

69	Epoxy Flooring:						
69.1	Supply and Installation of Epoxy Flooring 2mm Top Coat and 2mm Scriding	600	Sqmtr	1500	900000	450	270000
69.2	supply and apply of epoxy R 70 coving	200	Rmtr	725	145000	190	38000
70	Civil and Structural work - Includes:						
70.1	EARTH WORK - FOUNDATION AND PITS						
70.2	CONCRETE WORK - COLUMNS AND PITS						
70.3	REINFORCED CEMENT CONCRETE - BUILDING & PITS(GROUND WATER TANK)						
70.4	BRICK WORK - BUILDING						
70.5	STEEL WORK - ABOVE RCC SERVICE AREA						
70.6	FLOORING - BUILDING & PIROTICO						
70.7	ROOFING WORK - SERVICE AREA						
70.8	FINISHING - FROM CHAIN PENCING TO BUILDING						
70.9	MISCELLANEOUS CIVIL WORKS - AS PER THE CLIENT						
70.10	SANITARRY FITTINGS						
70.11	WATER SUPPLY - FOR BUILDING						
70.12	DRAINAGE						
70.13	WATER PROOFING WORK						
70.14	CHAIN PENCING						
	TOTAL	2750	Sqft	1750	4812500	0	0
	GRAND TOTAL				22645875	25000000	2354125

Rupees: Two Crore Fifty Lakh

**Only. Terms and Conditions:**

1. Payment terms – 50 % Advance against PO, 25 % + 25% (For 2 instalment) against work progression.
2. Delivery: 2-3 months from the date of P.O with advance.
3. Taxes at Actuals.
4. Electricity, Water and lab equipment's are KUD scope.