कर्नाटका एन्टिबायोटिक्स एण्ड फार्मास्युटिकल्स लिमिटेड
(भारत सरकार का उद्यम)
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED
(A Government of India Enterprise)

ENQUIRY REF. No.	KAPL/SR/ISO/1396/2024-25
DATE	23.09.2024
DUE DATE	27.09.2024 till 1:00 PM

Dear Sir,

Please submit your lowest and competitive offer in a SEALED ENVOLOPE, DULY SUPERSCRIBING OUR ABOVE ENQUIRY REF. NO., DATE and DUE DATE on it. Mentioned other details of F.O.R terms, Taxes, Credit period, Delivery offered, Name of the Make, Detailed Specification etc., for the below Supply or Service

Sl No	Item Code	Item Description	Uom	Qty
01	---	ENVIRONMENTAL MONITORING SERVICES FOR 2 YEARS AS PER ANNEXURE ENCLOSED	NO.	01

Please ensure that your offer reaches us on or before Due Date by courier OR Speed post or by Hand in sealed cover only to below office address:

M/s. Karnataka Antibiotics and Pharmaceuticals Limited
Plot No.37, Arka The Business Centre,NTTF Main Road, Peenya Industrial Area
2nd Phase, Bengaluru-560058 Ph. No.080-23571590

NOTE:

01. PLEASE VISIT OUR SITE FOR BETTER UNDERSTANDING THE SCOPE OF WORK
02. IF YOU ARE NOT PARTICIPATING IN THE TENDER PLEASE SEND A REGRET LETTER.
03. VENDOR HAS TO QUOTE AS PER OUR TENDER IN YOUR COMPANY LETTER HEAD.
04. QUOTATION MUST BE SUBMITTED IN TWO SEALED COVERS (TECHNICAL & COMMERCIAL BID) SEPARATELY AND IN ONE ENVELOP OR ELSE YOUR PROPOSAL WILL NOT BE CONSIDERED.

IF YOU NEED ANY CLARIFICATION, PLEASE CONTACT US.

Thanking you,

Yours faithfully,
For KARNATAKA ANTIBIOTICS
& PHARMACEUTICALS LIMITED

23/9

YUVARAJA. M
DY. MANAGER – PURCHASE DEPT.
MOB: 9945317873

Ambient Air Monitoring- 12 Parameters	
S.L	**Test Parameter**
1	Particulate Matter(Size <10µm)- PM10
2	Fine Particulate Matter(Size <2.5µm)- PM 2.5
3	Sulphur Dioxide (as SO2)
4	Nitrogen Dioxide(as NO2)
5	Ammonia (as NH3)
6	Carbon Monoxide (CO)
7	Benzene (C6H6)
8	Ozone (as O3)
9	Benzo (a) Pyrene
10	Nickel
11	Arsenic
12	Lead
S.L	**Stack Emission :Boiler Monitoring**
1	Area of cross section of stack, m_2
2	Stack Top.
3	Temperature, °C
4	Stack gas velocity, m/s
5	Rate of discharge of gas, Nm_3/hr
6	Particulate Matter, mg/NM3
7	Oxides of Nitrogen(NO_x), mg/Nm_3
8	Oxides of Sulphur (SO_2), mg/Nm_3
S.L	**Stack Emission: Srcubber Monitoring**
1	Area of cross section of stack, m_2
2	Stack Top.
3	Temperature, °C
4	Stack gas velocity, m/s
5	Rate of discharge of gas, Nm_3/hr
6	Acid mist, mg/Nm_3
7	Particulate Matter, mg/NM3
8	Oxides of Nitrogen(NO_x), mg/Nm_3
9	Oxides of Sulphur (SO_2), mg/Nm_3
10	Hydrogen sulphide as H_2S, mg/Nm_3
S.L	**Stack Emission; DG stack Monitoring**
1	Area of cross section of stack, m_2
2	Stack Top.
3	Temperature, °C

4	Stack gas velocity, m/s
5	Rate of discharge of gas, Nm^3/hr
6	Particulate Matter, mg/Nm^3
7	Oxides of Nitrogen(NO_2), mg/Nm^3
8	Oxides of Sulphur (SO_2), mg/Nm^3
9	Carbon monoxide (CO) mg/Nm^3
10	Non methane hydrocarbon (NMHC), mg/Nm^3
S.L	Stack Emission: Dust collector Monitoring
1	Area of cross section of stack, m^2
2	Stack Top.
3	Temperature, °C
4	Stack gas velocity, m/s
5	Rate of discharge of gas, Nm^3/hr
6	Particulate Matter, mg/NM3
7	Oxides of Sulphur (SO_2), mg/Nm^3
8	Oxides of Nitrogen(NO_x), mg/Nm^3
S.L	Noise Monitoring: DG
1	L min
2	L max
3	L eq
S.L	Noise Monitoring:Ambient
1	L min
2	L max
3	L eq
S.L	STP Treated Water
1	pH
2	Biochemical oxygen demand (3 days @ 270C),mg/L
3	Chemical Oxygen Demand, mg/L
4	Total Dissolved Solids, mg/L
5	Total Suspended Solids, mg/L
6	Ammonical Nitrogen as N, mg/L
7	Total Nitrogen (mg/l)
8	Biochemical oxygen demand (3 days @ 270C),mg/L
9	Bio-Assay Test
10	Phosphate as P
11	Sulphide as S, mg/L
12	Zinc
13	Copper
14	Fecal Coliform (MPN/100 ml)
S.L	CETP treated Water Test
A	**(i) Compulsory Parameters**
1	pH
2	BOD (3 days 27°C)
3	COD

4	TSS
5	Oil & Grease
6	Ammonical Nitrogen
7	Bio - Assay Test**
	(ii) Additional Parameters
	***Benzene
1	***Xylene
2	***Methylene Chloride
3	***Chlorobenzene
4	Phosphates as P
5	Sulphides as S
6	Phenolic Compounds
7	Zinc
8	Copper
9	Total Chromium
10	Hexavalent Chromium (Cr^{6+})
11	Cyanide (as HCN)
12	Arsenic
13	Mercury
14	Lead
15	SAR
S.L	Borewell Sample
A	**Organoleptic and Physical Parameters**
1	Colour
2	Odour
3	pH value
4	Taste
5	Turbidity
6	Total dissolved solids
B	**General Parameters Concerning Substances Undesirable in Excessive Amounts**
7	Aluminium (as Al)
8	Ammonia (as total ammonia-N),
9	Anionic detergents (as MBAS
10	Barium (as Ba)
11	Uranium
12	Boron (as B)
13	Calcium (as Ca)
14	Chloramines (as Cl2)
15	Chloride (as Cl),
16	Copper (as Cu),
17	Fluoride (as F)
18	Free residual chlorine
19	Iron (as Fe)
20	Magnesium (as Mg)
21	Manganese (as Mn),
22	Mineral oil,

	23	Nitrate (as NO3),
	24	Phenolic compounds (as C6H5OH),
	25	Selenium (as Se),
	26	Silver (as Ag),
	27	Sulphate (as SO4
	28	Sulphide (as H2S),
	29	Total hardness (as CaCO3),
	30	Total alkalinity as calcium Carbonate
	31	Zinc (as Zn),
B		**Parameters Concerning Toxic Substances**
	32	Cadmium (as Cd),
	33	Cyanide (as CN),
	34	Lead (as Pb),
	35	Mercury (as Hg),
	36	Molybdenum (as Mo),
	37	Nickel (as Ni),
	38	Polychlorinated biphenyls
	39	Polynuclear aromatic hydrocarbons
	40	Total arsenic (as As
	41	Total chromium (as Cr
	42	Trihalomethanes:
	43	a) Bromoform,
	44	b) Dibromochloromethane
	45	c) Bromodichloromethane
	46	d) Chloroform
C		**Pesticide Residues**
	47	Alachlor
	48	Atrazine
	49	Aldrin
	50	Dieldrin
	51	Alpha HCH
	52	Beta HCH
	53	Butachlor
	54	Chlorpyriphos
	55	Delta HCH
	56	2,4- Dichlorophenoxyacetic acid
	57	O,P-DDT
	58	P,P-DDT
	59	O,P-DDE
	60	P,P-DDE
	61	O,P-DDD
	62	P,P-DDD
	63	Alpha Endosulfan
	64	Beta Endosulfan
	65	Endosulfan Sulphate
	66	Ethion
	67	Gamma — HCH (Lindane)

68	Isoproturon
69	Malathion
70	Methyl parathion
71	Monocrotophos
72	Phorate
	BACTERIOLOGICAL EXAMINATION
73	Total Coliforms
74	E.coli
	Radioactive compounds
75	Alpha emitter
76	Beta Emitter