



**KARNATAKA ANTIBIOTICS &
PHARMACEUTICALS LIMITED**

(A Government of India Enterprise)

ENQUIRY REF. No.	KAPL/ISO/SR/1716/2024-25
DATE	06.11.2024
DUE DATE	13.11.2024 till 1:00 PM

Dear Sir,

Please submit your lowest and competitive offer in a SEALED ENVELOPE, 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

SI No	Item Code	Item Description	Uom	Qty
01	----	ENVIRONMENTAL MONITORING SERVICES FOR 2 YEARS DETAILS AS PER BOQ ENCLOSED AS ANNEXURE	No.	As per BOQ

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 TO BE PLACED IN ONE ENVELOPE 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

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

BOQ

- 1 Environmental Monitoring to be done as per KSPCB standards.
- 2 After completion of testing, the reports / Certificates should be submitted within 10 days
- 3 Stack monitoring
 - a) DG's - 5 nos
 - b) IBR Boiler- 1 nos
 - c) Non IBR Boiler- 2 nos
- 4 Noise Sample Location
 - a) Near Main security gate
 - b) Near DG room
 - c) Near any one of manufacturing area
 - d) Centre Location factory

Note: Noise testing to be done both on day and night time
- 5 Ozone layer depletion to be checked (Yearly once)
- 6 If any Implementation as per KSPCB, that needs to be incorporated.
- 7 Characteristics and Parameters to be checked as below table.

Ambient Air Monitoring (Monthly Monitoring)	
SI No	Parameter
1	Particulate Matter (Size < 10 μ m) - PM10
2	Fine Particulate Matter (Size < 2.5 μ m) - PM 2.5
3	Sulphur Dioxide (as SO ₂)
4	Nitrogen Dioxide (as NO ₂)
5	Ammonia (as NH ₃)
6	Carbon Monoxide (CO)
7	Benzene (C ₆ H ₆)
8	Ozone (as O ₃)
9	Benzo (a) Pyrene
10	Nickel
11	Arsenic
12	Lead
Stack Emission : Boiler Monitoring (Monthly Monitoring)	
SI No	Parameter
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, mg/Nm ³
8	Oxides of Sulphur (SO ₂), mg/Nm ³

Stack Emission : DG stack Monitoring (Monthly 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, 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
Noise Monitoring: DG (Monthly Monitoring)	
Sl No	Parameters
1	L min
2	L max
3	L eq
Noise Monitoring: Ambient (Monthly Monitoring)	
Sl No	Parameters
1	L min
2	L max
3	L eq
ETP Treated Water test (Monthly Monitoring)	
Sl No	Parameters
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
1	Benezene
2	Xylene
3	Methylene Chloride
4	Chlorobenzene
5	Phosphates as P
6	Sulphides as S
7	Phenolic Compounds
8	Zinc
9	Copper
10	Total Chromium
11	Hexavalent Chromium
12	Cyanide (as HCN)
13	Arsenic
14	Mercury
15	Lead
16	SAR

Borewell Sample (Monthly Monitoring)	
Sl No	Parameters
<i>A</i>	<i>Organoleptic and Physical parameters</i>
1	Colour
2	Odour
3	Ph value
4	Taste
5	Turbidity
6	Total Dissolved solids
<i>B</i>	<i>General Parameters concerning substances undesirable in excessive amounts</i>
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 Cl ₂)
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 NO ₃)
24	Phenolic compounds (C ₆ H ₅ OH)
25	Selenium (as Se)
26	Silver (as Ag)
27	Sulphate (as SO ₄)
28	Sulphide (as H ₂ S)
29	Total Hardness (as CaCO ₃)
30	Total alkalinity as Calcium Carbonate
31	Zinc (as Zn)
<i>C</i>	<i>Parameters concerning Toxic substances</i>
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
D	Pesticide Residues
47	Alachlor
48	Atrazine
49	Aldrin
50	Dieldrin
51	Alpha HCH
52	Beta HCH
53	Butachlor
54	Chlorpyrifos
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
D	<i>Bacteriological Examination</i>
73	Total Coliforms
74	E.coli
E	<i>Radioactive compounds</i>
75	Alpha emitter
76	Beta emitter

 05/11/2024

K DURGA PRASAD

DGM - E&P