

			ANNEXURE - 2
ENVIRONMENTAL MONITORING AND CONSULTANCY AT BHEL , JHANSI (2017-18)			
GENERAL TERMS AND CONDITIONS (Contractor should fulfill BHEL's standard terms & conditions, mentioned in Standard Document with this Tender)			
(i) PART - A : ENVIRONMENTAL MONITORING WORK			
(ii) PART - B : ENVIRONMENT CONSULTANCY WORK			
[FOR ANY CLARIFICATIONS, CONTRACTOR SHOULD NOTE THAT : MANAGER(HSE) SHALL BE THE ENGINEER-IN-CHARGE FOR THIS CONTRACT]			
PART - A : MONITORING WORK			
S No	DESCRIPTION	BIDDER TO CONFIRM	DEVIATION, IF ANY
1	This work is to be executed as per code of practice for compliance of Environment Act norms. However, BHEL being an ISO 14001 compliant company, monitoring work shall also include compliance to all clauses of NAAQS, the ISO 14001:2015 standard, and address the same so far as monitoring of Aspect-Impact analysis is relevant.		
2	The objective of the Environment Reports from this work is : (i) To submit half yearly and Annual Environment Report/Statement to the SPCB (ii) To obtain Air Consent (iii) To obtain Water Consent (iv) To demonstrate to EMS Audit Agency that ISO 14001:2015 requirements are satisfactorily complied. (v) To conduct Technical Study (Consultancy Work) of Environmental parameters, Processes, Wastes etc., and submit a detailed report on the Status, Compliance Gaps, Requirements (including equipment, systems, activities)		
3	The contractor's scope shall only include submission of reports to BHEL and to SPCB.		
4	Sampling of environmental entities shall be carried out in presence of BHEL/SPCB officials, as may be informed to contractor from time to time.		
5	Laboratory analyses of samples shall be carried out either in SPCB lab or any Government accredited lab only.		
6	Monitoring /Test Report as per BHEL's Scope of Work shall be in tabulated format showing : location, date, data description, Standard/limit values, obtained values, remarks, reference of governing Standard, etc.		
7	The Reports shall be in spiral/comb bound format with covernote from the Contractor on letterhead, Index, Commentary on the procedure employed, concluding recommendatory notes if any, etc.		
8	If and when required, the contractor shall coordinate with SPCB officials when SPCB demands to conduct Monitoring/Sampling etc in their presence. Qualified personnel from Contractor's side shall be present during such periods of monitoring/inspection with SPCB officials.		
9	Payment to contractor shall be done as specified in detailed note under TERMS OF PAYMENT contained in this specification.		
10	Contractor to note that National Ambient Air Quality Standard's technical requirement shall be strictly observed for carrying out 24 hour monitoring of such parameters as are mandatory against the standard.		

PART - B : CONSULTANCY			
	EA/R - Environment Act / Rules		
	HW - Hazardous Wastes		
S No	DESCRIPTION	BIDDER TO CONFIRM	DEVIATION IF ANY
11	Mentioned below is a detailed description of Consultancy Work related with an Engineering Company set-up, BHEL Jhansi and its attached Township . <u>The Scope</u> of work includes <u>carrying out Site survey</u> for gathering technical information relating with various parameters and site conditions ; thereafter to carry out <u>data collection</u> in the form of samples, log sheets data, scrap material/waste disposal records, ; data in the form of stack emissions from DG Plant, Boiler, and other gas/smoke emitting equipment / processes ; carrying out <u>measurements</u> thru either estimation and/or (as may be required to objectively measure the entity) actual measurements by calibrated instruments (which shall be in the scope of Agency) of any parameter deemed essential under environment Act etc. ; and <u>sampling</u> of various wastes (Solids and liquids) to undertake <u>Tests and analysis</u>		
THE FOLLOWING EXPLICIT ACTIVITIES SHALL BE CONDUCTED BY THE CONSULTING AGENCY :			
12	Physical Walk-thru of the Plant and Township		
13	Technical Survey for the Work		
14	Data Collection		
15	Sample collection / Sampling		
16	Tests and analysis		
17	Reporting Results of Tests and Analysis		
18	Submission of Balance Diagrams		
19	Submission of holistic Report as per Environment Act covering detailed results and suggestions/Recommendations for any improvements , mandatory compliance requirements etc.		
A	Shall undertake survey of Plant Area and Township Oxidation Pond area to carry out following activities:	BIDDER TO CONFIRM	DEVIATION IF ANY
20	Identify and <u>quantify</u> by reasonable methods of estimation, various types of Effluents (Industrial and domestic) AND where necessary as required by BHEL during survey, carry out <u>actual Measurements</u> by instruments, equipment (in Agency's Scope)for accuracy.		
21	Identify various types of Industrial Solid Wastes and categorize the same on the basis of EA/R / MSIHC Rules etc.		
22	Conduct Tests of analysis on all Hazardous Wastes (Solids & Liquids) to ascertain their Class as per various Schedules of the Environment Act and treatments thereof.		
23	Design and draw out Balance Diagrams for Water, Oil and/or any other substance governed by the EA/R		
24	List out the Mandated Pathway for disposal of all wastes generated by the Plant / Township		

B	The following reports shall be furnished by the agency to establish completion of this Consultancy:	BIDDER TO CONFIRM	DEVIATION IF ANY
25	Test reports in respect of Analysis of Effluents, vis-à-vis Datum values as per EA/R		
26	Test reports in respect of Analysis of Solid Wastes/HW (Domestic and Industrial) , vis-à-vis Datum values as per EA/R		
27	Balance Diagrams for any/all types of liquids for disposal in A3 size sheet. (Two copies duly signed and stamped with Date)		
28	Report on Disposal Pathway for all categories of Industrial Wastes as per EA/R		
29	Report on Technical Improvements required wherever investments are the only means for bringing compliance to norms ; Eg: Investments in respect of any Equipment, Processing or Treatment Plant, or Latest Chemical Technology / Bio-Technology etc.		
30	All reports shall have clear identification numbers, shall be submitted on hard print A4 sheets with the bidders letter head .		
31	Each report shall record data in tabular fixed format as : S.No.; Description of test element, Analysis Values, and Stipulated/Permitted Value (from Standard or Act or rule) & each page shall have signature & Stamp		
32	Reports shall be spiral or comb-bound and carry the Bidders signature and seal.		
33	Bibliography to be furnished by agency at work completion , with cross reference from Schedules, Class Tables, Clauses etc of the EA/Rules		
C	GENERAL CONDITIONS		
SNo	DESCRIPTION	BIDDER TO CONFIRM	DEVIATION IF ANY
34	The person conducting Survey, study, etc under this Consultancy shall be a qualified Engineer in Civil / Environment Engineering . Person may possess any other Post Graduate degree in Environment / Allied subject.		
35	Collection of samples for solids and liquids shall be done as specified in Pollution Control Board Technical directives.		
36	Tests to be conducted on collected samples in any Govt Accredited Test Labs OR UPPCB approved Lab only. Test Results from a Private Test Lab which is not Accredited by a Government Body will not be accepted by BHEL.		
37	The Agency shall be a registered Entity under relevant Government Authority which is suitable and bonafide to carry out such jobs.		
38	The Agency must have credentials in the form of successful completion certificates / letters of satisfaction expressed by at least two previous clients in the following domain : Engineering Industry/Company ; Pharmaceutical Company ; Food and Beverages manufacturing company ; Oil & Gas Industry ; Textile Industry/Company ; Chemical Industry/Company ; Municipalities for Domestic Sewage Plants .		

D	SPECIAL TERMS :		
SNo	DESCRIPTION	BIDDER TO CONFIRM	DEVIATION IF ANY
39	THE CONTRACTOR SHALL SIGN CONFIDENTIALITY AGREEMENT FOR NON DISCLOSURE OF COMPANY DETAILS TO EXTERNAL PARTIES		
40	NO DRAWING OR DOCUMENT OF TECHNICAL NATURE RELATING WITH COMPANY PROCESSES SHALL BE TAKEN AWAY BY CONTRACTOR		
41	TAKING PICTURES, VIDEO, AUDIO IS PROHIBITED AND NO RECORDS OF THE SAME SHALL BE TAKEN AWAY BY CONTRACTOR.		
42	FOR CONDUCTION OF THIS WORK INSIDE THE PREMISES, MOBILE PHONE WITH CAMERA SHALL BE PROHIBITED		
43	ANY MEASURING TOOLS/EQUIPMENT ETC REQUIRED FOR MEASUREMENTS, READINGS IN THE COURSE OF THIS WORK SHALL BE BROUGHT BY THE CONTRACTOR, AFTER OBTAINING WRITTEN PERMISSION AND PROPER ENTRY AT BHEL MATERIAL GATE, THRU "RETURNABLE-MATERIAL-GATE-PASS"		
44	ENRTY GATE PASSES SHALL BE ISSUED TO CONTRACTOR'S PERSONS FOR THE PERIOD OF THE CONTRACT FOR GENERAL WORKING HOURS. FOR WORK DURING NIGHT HOURS, SPECIAL PASSES SHALL BE APPLIED FOR, AND DULY ISSUED FROM BHEL COMPETENT AUTHORITY.		
45	ALL PERSONS SHALL BE PROVIDED PPEs BY CONTRACTOR, AND THE SUPERVISOR /AUDITOR SHALL ENSURE REGULAR USAGE OF PPEs BY HIS PERSONS . SAFETY OF THE PERSONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR AND THEIR WORKMEN SHALL BE COVERED BY CONTRACTOR FOR HEALTH INSURANCE. DOCUMENTS TO SHOW COMPLIANCE TO THIS CONDITION SHALL BE NECESSARY FOR MAKING WORKMEN's GATE PASS.		
46	THE WORK SHALL BE DEEMED SATISFACTORY AFTER VARIOUS STAGewise REPORTS SUBMITTED BY AUDITOR ARE ACCEPTED AND VERIFIED THAT COMPLETE SCOPE OF WORK AS PER THE AWARDED CONTRACT HAS BEEN DONE. THE WORK SHALL BEE DEEMED "COMPLETE", ONLY WHEN THE CONTRACTOR (ON BEHALF OF BHEL) HAS DULY SUBMITTED THE REQUIRED FORMS AND FORMATS TO THE UPPCB, JHANSI OFFICE, IN ORDER TO OBTAIN THE "AIR" AND "WATER" CONSENT INTIME, AND THE UPPCB OFFICE HAS SATISFACTORILY ACCEPTED THE FORMS ETC. THUS, CONTRACTOR IS RESPONSIBLE TO OBTAIN THE CONSENTS FOR BHEL.		
47	VEHICLES OF CONTRACTOR ARE NOT ALLOWED INSIDE THE PLANT AREA. HOWEVER TO THE EXTENT IT IS EXTREMELY URGENT AND REQUIRED, THE SAME SHALL BE PROVIDED BY BHEL DEPENDING ON AVAILABILITY.		
48	CONTRACTOR SHALL ACCEPT BHEL STANDARD TERMS AND CONDITIONS . <u>NO ADVANCE SHALL BE PAID FOR THE WORK.</u> VEHICLES, GUEST HOUSE ACCOMODATION ETC CANNOT BE OFFERED TO CONTRACTOR.		

E	DELIVERABLE OUTPUT REPORTS TO BE SUBMITTED BY CONTRACT AGENCY AGAINST PART - B OF THE WORK		
SNo	DESCRIPTION	BIDDER TO CONFIRM	DEVIATION IF ANY
49	Various data collected , duly compiled in their generic forms (Eg : Sound, Illumination, Wastes, Effluents etc)		
50	Samples collected to be listed out according to areas from where collected.		
51	Summary of Tests conducted on samples, along with reference of Standard / Act / Rule		
52	Report constituting various Tests conducted and its analysis.		
53	Oil Balance Diagram		
54	Water Balance Diagram		
55	Report on Solid Wastes, Tests, Categorization and Pathway for Disposal and Mandated Schedules/Clauses		
56	Report on Effluents, Tests and Treatment adequacy / Need for alternatives along with description of basis		
57	Summary report on the Total Work including Technical Recommendations.		
F	QUALIFYING REQUIREMENTS		
SNo	DESCRIPTION	BIDDER TO CONFIRM	DEVIATION IF ANY
58	The bidder shall furnish at least one "Satisfactory Work Completion Certificate" along with its corresponding Work Order, from their Client for Environment Monitoring Work , completed within last last 7 years		
59	<p>The bidder shall also furnish at least one "Satisfactory Work Completion Certificate" along with its Work Order, from their Client for Environment Consultancy Work within last 7 years ; clearly mentioning Work Order number with date, Work Title/Description.</p> <p><i>(Alternatively, one composite Work Completion certificate along with corresponding Work Order, may also be submitted if the work included Monitoring as well as Consultancy)</i></p> <p>Financial QR for points 58 and 59 : Contractor should submit documentary proof of having either (i)3 similar completed works each costing not less than the amount equal to 40% of quoted cost or, (ii) two similar completed works each costing not less than the amount equal to 50% of quoted cost or, (iii) 1 similar completed work costing not less than amount equal to 80% of quoted cost</p>		
60	Bidder to submit Contact details of the Client where above works was completed : Name of the Company, Location/City, Name of Official, Designation, Email, Landline/Cell No.,		
61	The Bidder should be ISO 14001 Certified . Submit a copy of latest valid certificate.		
62	Bidder shall submit copy of last three years ITR, PAN, PAN based Service Tax No.		
63	Bidder to furnish : Bank Account No., IFSC, Name of Bank, Branch name, Address, Pin Code		

G	PAYMENT TERMS		
SNo	DESCRIPTION	BIDDER TO CONFIRM	DEVIATION IF ANY
64	Payment for Consultancy Work shall be released when the Contractor has submitted two copies of Spiral/Comb bound report to BHEL and the same has been accepted after verification for its Scope and Content against stipulated Specifications.		
65	Payments for (i) First Quarter will be released after work completion for the quarter (ii) Second quarter will be released after work completion for 2nd quarter , subject to the condition that the reports are found satisfactory against Specifications. Two copies of Spiral/Comb bound quarterly reports have to be submitted at each quarter and acceptance thereof for scope and content against specifications.		
66	Contractor shall submit two copies of the 3rd quarter report to BHEL, in the ninth month from date of LOI/Work Order. However, the payment for this quarter shall be made along with the last (4th) quarter report subject to the condition mentioned in point number 67 below.		
67	Final payment shall be made after the contractor has submitted last quarter's monitoring report (one copy to BHEL and second copy to the UP Pollution Control Board / provided that 3rd qtr report has already been submitted to BHEL in the ninth month), and facilitated Visits, Sampling, Inspections of BHEL premises, which the Board may desire.		
68	The contractor must clearly note that obtaining the Water and Air Consent is in their scope, for which necessary Inspections, Sampling, Liaison shall be done when it becomes due. Notwithstanding the above mentioned payment schedule, release of payment shall be done only up on satisfactory acceptance of reports by the UPPCB.		
SIGNATURE & STAMP OF CONTRACTOR			