ADDITIONAL CONDITIONS OF CONTRACT

FOR PROVIDING AND INSTALLING CAST-IN-SITU VERTICAL BORED PILES IN THE SILO AREA FOR COAL HANDLING PLANT FOR “AUGMENTATION OF FUEL AND FLUX CRUSHING & SCREENING FACILITIES(PACKAGE-064)” OF BHILAI STEEL PLANT

1.0 The following Additional Conditions of Contract shall be read in conjunction with General Conditions of Contract. If there are any provisions in these Additional Conditions of Contract, which are at variance with the provisions of General Conditions of Contract, the provisions in these Additional Conditions of Contract shall take precedence.

2.0 GENERAL INFORMATIONS

Bhilai Steel Plant (BSP), is located at Bhilai in Durg district of the state Chhattisgarh in central region of India. Bhilai is about 12 kms from Durg. Bhilai / Durg railway station are on the Howrah- Mumbai rail line of the Indian railways.

In Bhilai Steel Plant (BSP) Augmentation of Fuel & Flux Crushing & Screening Facilities (Pkg.-064) is being executed. The work is to be carried out inside the plant with in the battery limit of Package-064.

3.0 SCOPE OF WORK:

The broad objective of this assignment is “Providing and installing cast-in-situ vertical bored piles in silo area for Coal Handling Plant for the project of “Augmentation of Fuel and Flux Crushing Facilities (Package-064), of Bhilai Steel Plant, Chhattisgarh

The scope of services shall thus cover the following major tasks but shall not be limited to following:

3.1 Scope

The scope of work includes “Providing and installing cast-in-situ vertical bored piles in silo area of coal handling plant of augmentation of fuel and flux crushing & screening facilities (package-064)”
Intended bidders are requested to visit the site to acquaint themselves fully with the site conditions before submitting their bids nothing extra shall be paid on account of site condition.

The main scope of work includes :-

a) The scope of work includes Providing and installing cast-in-situ vertical bored piles in silo area of coal handling plant of augmentation of fuel and flux crushing & screening facilities(package-064)
b) All tools tackles, cranes, handling equipments, consumables; Ready Mix Concrete, reinforcement steel etc. are included in the scope of work.
c) Power supply shall be given free of cost at one point in the working area. Party has to make its own arrangement to supply power to different areas from there.

3.2 Pile Foundations

Following shall be adhered to in respect of pile foundations:


ii. Pile boring shall be done through all types of Fill /Soil as per approved construction methodology by setting out piles with temporary casing of appropriate length. The construction methodology shall be submitted by contractor for Engineer’s approval.

iii. The minimum diameter of pile shall be 600 mm. minimum cast length of pile above cut-off level shall be 1.0 meter.

iv. Piles are to be installed as per provisions of relevant IS codes under proper supervision and quality control.

v. Piles shall be terminated in weathered shale rock layer recognizable by its geographical texture as well as SPT ‘N’> 100 with a socket length, not less than 4 D within such stratum, where ‘D’ is the diameter of pile.

vi. The work shall be carried out as per approved drawings and design of piles in terms of rated capacity, length, diameter, termination criteria to
locate the founding level of pile w.r.t. measureable parameter, reinforcement etc. for the job and test piles.

vii. Reinforcement of Grade Fe 500 of ‘SAIL’ make shall be used in work.

viii. Number of initial load test to be performed for each diameter and length and rated capacity of pile shall be subject to minimum as under

a) Vertical
b) Lateral Minimum one no. of each mode.
c) Uplift

ix. The pile load test shall be conducted on the pile by Maintained load Method for maximum test load upto two and half times of the estimated pile capacity.

x. The test shall be carried out at pile cut-off level (COL) wherever practicable. If the water table is above the COL, the test pit shall be kept dry throughout the test period by suitable de-watering methods.

xi. The routine load test shall be carried for a test load of minimum one and half times the working load. The number of test shall be minimum one half percent of the total number of piles. The client (BSP) shall approve piles for routine load tests.

xii. In case routine pile load test shows that the pile has not achieved the desired capacity and stands rejected then the Tenderer shall install additional pile(s) as required at no extra cost.

xiii. Testing of piles and interpretation of pile load test results shall be carried out as per IS: 2911 (part-4) and IS: 14593 : 1998. Tenderer shall ensure that all the measuring equipment/instruments are properly calibrated from a reputed laboratory/institute prior to their use.

4. **Taxes & Duties**

All taxes and duties are included in the quoted price except service tax which will be paid extra on submission of documentary evidence.

5. The price is firm and free from any escalation till completion of job.

6. The Tenderer shall take insurance cover at its own cost towards Workman Compensation Act for its own worker, employees and for the Plant & Equipment deployed by the Tenderer at the project site and shall furnish documentary proof of the same to EPI failing which no payments shall be released to the Tenderer
against work done. The Tenderer shall assist EPI in follow-up with insurance company in case of any claim related to Tenderer’s scope of work. EPI is not liable to pay any claim of the Tenderer if it is not paid by insurance company due to any reasons whatsoever. The insurance cover for the complete project shall be arranged by EPI at its own cost.

7. All men, material, machinery, tools and plants, infra-structures, resources etc., as required for execution of work shall be provided and arranged by the Tenderer for their portion of work. The amount/rate quoted in their offer by Tenderer to EPI includes all charges, all direct and indirect cost of works, materials, labour, plant and equipments, all taxes, duties, levies, royalties, octroi, entry tax, VAT, WCT/TOT, service tax, labour Cess etc., all transportation charges including for cartage of issue material, electricity and water charges and for all expenses, such as labour camp, Bank Guarantee charges, insurance charges, EPF/CPF/Statutory contribution and other expenses whatsoever, incurred on execution, completion and maintenance of the work as per ‘Tender Documents’ and their own overheads and profit etc. The Tenderer shall comply with all the requirements laid down as per ‘Tender Documents’ and shall unconditionally abide by its offer quoted at pre-award stage for execution of works as per terms, conditions, specifications, drawings, documents etc. given in the ‘Tender Document’ for the completion, handing, maintenance period etc. for the work.

8. The Tenderer shall ensure compliance with all Central, State and Local laws, Rules, Regulations etc. as applicable or may be applicable during the course of execution, maintenance etc. of the works and shall indemnify EPI against any claim or damages whatsoever on such accounts. The Tenderer shall keep EPI indemnified at all times against infringement of any Patent or Intellectual Property Rights.

9. The Tenderer shall adhere to all safety rules and norms as applicable inside Bhilai Steel Plant at no extra cost to EPI.

10. Both Parties shall make efforts to settle disputes, if any, amicable. Only if amicable settlement is not possible, the same shall be referred to the sole arbitration of the Chairman & Managing Director(CMD) of EPI or the person appointed by the CMD, EPI and the decision of the arbitrator shall be final and binding on EPI and the Tenderer. Arbitration will be according to “Conciliation & Arbitration” clause, which is enclosed in Annexure-I of these Additional Condition of Contract.