

BHARAT HEAVY ELECTRICALS LIMITED
TRANSMISSION BUSINESS GROUP
NEW DELHI
INDIA



**REQUEST FOR EXPRESSION OF INTEREST
FOR
EXECUTION OF CIVIL WORKS ASSOCIATED WITH
800 kV, 6000MW HVDC Multi Terminal NER/ER-NR/WR
Interconnector – 1 Project, Agra Terminal.**

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A. PREAMBLE:

BHEL TBG invites Expression of Interest (EOI) on a national basis from civil contractors for execution of Civil Works associated with **800 kV, 6000MW HVDC Multi Terminal NER/ER-NR/WR Interconnector – 1 Project , Agra Terminal**, for Customer PGCIL..

About BHEL:

Bharat Heavy Electricals Limited (BHEL), is the largest engineering and manufacturing enterprise in India in the energy related/ infrastructure sector, and caters to Power Generation and Transmission, Industry, Transportation, renewable energy etc.

About TBG:

Transmission Business Group (TBG) is BHEL's Transmission System integrator providing total engineering solutions for Transmission Projects, enabling BHEL to offer complete Engineering, Procurement and Construction services

B. SCOPE OF WORK

The Civil Works shall generally include, *but not limited to*, following:

- (i) Tower & Equipment/lighting poles foundations in AC & DC yards and filter areas.
- (ii) Transformer foundations including soak pit, separator pit, burnt oil tank, rail track, rail-cum-road, jacking pad, firewalls, etc.
- (iii) Cable trenches/crossings including pre-cast covers & cable trench crossings.
- (iv) Roads & Drains.
- (v) Fencing & Gates.
- (vi) Antiweed Treatment & Stone Spreading.
- (vii) Converter Buildings/valve halls, Service Building, Auxiliary Building, DG Building, Pump House Building, Security Building, Valve Hall Ventilation Building, DC Yard Building, etc.
- (viii) Tanks for service & fire water.
- (ix) Other miscellaneous works as required for project.

The works to be performed in the above constructions include preparation of bar-bending schedules, based on the drawings released for construction and getting the same approved by the Engineer-in-charge plus the execution of the work including providing of all labour, supervision, materials, scaffolding, power, fuel, construction equipments, tools and plants, supplies, transportation, all incidental items necessary for

successful completion of the work including contractor's supervision and in strict accordance with the drawings and specifications and with inspection and testing standards. The nature of work shall generally involve excavation in all type of soil including dewatering, shoring, strutting, and filling under and around structures, backfilling with available excavated earth around completed structures and cable trenches with covers, road crossing of trenches, disposal of surplus soil, concreting including reinforcement and formwork, providing necessary steel embedments and other inserts, rail work, roadwork, drainage work, fencing & gravel/stone spreading, building works including all finishing, etc., all complete as per detailed specification, drawings and directions of Engineer-in-charge.

C. SPECIFIC TECHNICAL REQUIREMENTS

The specific technical requirements for the execution of civil works shall be as per PGCIL Specification with amendments I and II.