

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/JSD/C_BLR_ESP_AHP/27/019

BROAD SCOPE OF JOB:

Civil, structural and architectural works LSTK-1 (2a) Package including levelling , Retaining wall, Roads, Storm Water Drainage, RCC Drainage Network, Water Supply System, Sewerage System, Civil Foundations Works, Machine Foundations, Boiler, Gasifier & ESP foundations, Mill Bunker building – Foundations & roof, ESP control room building / Common control room building, BFP Pump house and Pump foundations, Fan (PA/FD/ID Fans) foundations, DG building, DG set & Stack Foundations, CEP Pit and all other equipment foundations in steam generator area, Transformer yard area foundations, Chimney foundation & associated structural work, Area paving and miscellaneous foundations, water treatment plant (WTP), Effluent treatment plant (ETP), Pipe /Cable / duct supporting structures, trenches, culverts, duct banks, pedestals, hume pipe culverts and thrust blocks, Fuel Oil Unloading System, Ash Handling Plant (AHP) etc **at Lakhanpur, Jharsuguda, Odisha for BHARAT COAL GASIFICATION AND CHEMICAL LTD (BCGCL)**

S. N.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
1.	Pre-Bid Meeting with Interested Bidders (NIT Clause 1.0 (X))	1. Facilitate better understanding of the Project Requirements; 2. Clarifying any ambiguities in the bidding documents.
2.	Earnest Money Deposit (EMD) [NIT Clause 1.0 (X) and GCC Clause 1.9]	50 Lakhs Only
3.	Price Variation Compensation (As per GCC clause 2.17)	Applicable
4.	Over Run Compensation (ORC) (As per GCC clause 2.12)	Not Applicable
5.	Interest Free Mobilization Advance (GCC Clause 2.13.1)	5% of the Contract Value in three instalments as specified in TCC. (Chapter 7 of TCC)
6.	Interest Bearing Mobilization Advance and Additional Interim Advance (GCC Clause 2.13.2)	Up to 10% of the Contract Value including Interest Free Advance, against adequate Security/BG
7.	Quantity Variation (GCC Clause 2.14)	Applicable
8.	Procurement at Risk and Cost of bidder, in case of default of Contractor is removed (replaced by “Breach of Contract” clause) (“Rights of BHEL” - GCC Clause 2.7)	The total liability on account of Breach of Contract is limited to 10% of the Contract Value.
9.	Security Deposit (SD) (GCC Clause 1.10)	5% of Contract Value and shall be furnished before Commencement of Work. SD to be released after completion of Guarantee Period.
10.	Retention Amount (RA) (GCC Clause 2.22)	5% of contract value and shall be furnished before the first RA Bill becomes due for payment. On successful bidder’s request, the Retention Amount can also be recovered at the rate of 10% of the gross amount, progressively, from each of the running bills of the contractor till the total amount of the required retention amount is collected. RA to be released along with Final Bill.

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/JSD/C_BLR_ESP_AHP/27/019

BROAD SCOPE OF JOB:

Civil, structural and architectural works LSTK-1 (2a) Package including levelling , Retaining wall, Roads, Storm Water Drainage, RCC Drainage Network, Water Supply System, Sewerage System, Civil Foundations Works, Machine Foundations, Boiler, Gasifier & ESP foundations, Mill Bunker building – Foundations & roof, ESP control room building / Common control room building, BFP Pump house and Pump foundations, Fan (PA/FD/ID Fans) foundations, DG building, DG set & Stack Foundations, CEP Pit and all other equipment foundations in steam generator area, Transformer yard area foundations, Chimney foundation & associated structural work, Area paving and miscellaneous foundations, water treatment plant (WTP), Effluent treatment plant (ETP), Pipe /Cable / duct supporting structures, trenches, culverts, duct banks, pedestals, hume pipe culverts and thrust blocks, Fuel Oil Unloading System, Ash Handling Plant (AHP) etc **at Lakhanpur, Jharsuguda, Odisha for BHARAT COAL GASIFICATION AND CHEMICAL LTD (BCGCL)**

S. N.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
11	Reverse Auction (NIT Clause 19.0)	Not Applicable
12	BOCW Cess (TCC Chapter – VIII, Clause 8.4)	Not to be borne by Bidder.
13	Facilities in the scope of Contractor/BHEL (Scope Matrix)	As per Chapter - III of TCC.
14	T&Ps and MMEs to be deployed by Contractor	As per Chapter - IV of TCC.
15	T&Ps AND MME TO BE DEPLOYED BY BHEL ON SHARING BASIS	As per Chapter - V of TCC
16	Labour and Staff Colony (Clause 3.11 of TCC Chapter - III)	Land for labour colony shall be arranged by Contractor (payable under BOQ schedule) and lease of total land shall be kept valid till the contract period or as decided by BHEL. If required, tripartite lease agreement shall be made including BHEL and decision of BHEL in this regard shall be binding to the contractor. However, in case the land is provided inside the plant by BHEL, BOQ item no. A1.2 shall not be executed. Bidder has to provide fencing for labour colony inside the plant as well as for separation of existing unit with the project unit as per Customer requirement. Bidder to note that the construction water and power shall be on chargeable basis.
17	Field Quality Assurance: (Clause 2.8 of TCC Chapter - III)	<u>Setting Up of Laboratory Works:</u> Initially, the contractor shall arrange for civil quality laboratory setup with minimum required testing facilities for his own scope of work. BHEL shall set up centralised civil quality laboratory in the close vicinity of the work site wherein test shall be

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/JSD/C_BLR_ESP_AHP/27/019

BROAD SCOPE OF JOB:

Civil, structural and architectural works LSTK-1 (2a) Package including levelling , Retaining wall, Roads, Storm Water Drainage, RCC Drainage Network, Water Supply System, Sewerage System, Civil Foundations Works, Machine Foundations, Boiler, Gasifier & ESP foundations, Mill Bunker building – Foundations & roof, ESP control room building / Common control room building, BFP Pump house and Pump foundations, Fan (PA/FD/ID Fans) foundations, DG building, DG set & Stack Foundations, CEP Pit and all other equipment foundations in steam generator area, Transformer yard area foundations, Chimney foundation & associated structural work, Area paving and miscellaneous foundations, water treatment plant (WTP), Effluent treatment plant (ETP), Pipe /Cable / duct supporting structures, trenches, culverts, duct banks, pedestals, hume pipe culverts and thrust blocks, Fuel Oil Unloading System, Ash Handling Plant (AHP) etc **at Lakhanpur, Jharsuguda, Odisha for BHARAT COAL GASIFICATION AND CHEMICAL LTD (BCGCL)**

S. N.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
		<p>performed for all civil contractors working for the project. The civil lab building construction works shall be excluded from contractor’s scope.</p> <p>However, required latest testing equipment as per attached Annexure-I shall be in the scope of contractor. All latest testing equipment (duly calibrated) shall be provided for civil quality lab setup without any extra cost implication to BHEL. In case of non-supply of the required testing equipment by contractor, BHEL shall supply the same and recover the cost +5% overhead from contractor’s RA Bill or any other due payment.</p>
18	Payment Terms Clause 7.1 of Chapter-VII of TCC	<p>Progressive Payment/ Final Payment: The payments for works under the scope of this contract shall be as per clause no 2.6; 2.22; 2.23 of General Conditions of Contract and Volume-IB, Chapter-X of SCC.</p> <p>Measurements shall be recorded and certified building/structure-wise. Separate measurement sheets shall be prepared for each applicable building/structure and shall form part of each Running Account (RA) Bill.</p> <p><u>A) Additional Payment Terms for Stipulated Buildings/Structures: -</u></p> <p><u>Payment for Civil works of Steel Framed Buildings/Structures: -</u></p> <p>a. 75% of the certified RA Bill value for the respective building/structure shall be payable upon certification of</p>

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/JSD/C_BLR_ESP_AHP/27/019

BROAD SCOPE OF JOB:

Civil, structural and architectural works LSTK-1 (2a) Package including levelling , Retaining wall, Roads, Storm Water Drainage, RCC Drainage Network, Water Supply System, Sewerage System, Civil Foundations Works, Machine Foundations, Boiler, Gasifier & ESP foundations, Mill Bunker building – Foundations & roof, ESP control room building / Common control room building, BFP Pump house and Pump foundations, Fan (PA/FD/ID Fans) foundations, DG building, DG set & Stack Foundations, CEP Pit and all other equipment foundations in steam generator area, Transformer yard area foundations, Chimney foundation & associated structural work, Area paving and miscellaneous foundations, water treatment plant (WTP), Effluent treatment plant (ETP), Pipe /Cable / duct supporting structures, trenches, culverts, duct banks, pedestals, hume pipe culverts and thrust blocks, Fuel Oil Unloading System, Ash Handling Plant (AHP) etc **at Lakhanpur, Jharsuguda, Odisha for BHARAT COAL GASIFICATION AND CHEMICAL LTD (BCGCL)**

S. N.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
		<p>measurements by the BHEL Engineer-in-Charge.</p> <p>b. Balance 25% shall be released upon certification by the BHEL Engineer-in-Charge as detailed below: -</p> <ul style="list-style-type: none">i. 15% on completion of raft and pedestals of the building/structure.ii. 10% on completion of backfilling & handing over to mechanical agency for erection works. <p><u>Payment for Civil works of RCC Framed Buildings:</u></p> <ul style="list-style-type: none">a. 75% of the certified RA Bill value for the respective building/structure shall be payable upon certification of measurements by the BHEL Engineer-in-Charge.b. Balance 25% shall be released upon certification by the BHEL Engineer-in-Charge as detailed below: -<ul style="list-style-type: none">i. 10% on completion of RCC Framework including roof slab & parapet wall.ii. 10% on completion of all internal finishing works like-brickwork, plastering, flooring, floor finish, false ceiling, doors & windows, painting, plumbing, sanitary & handing over with lock & key for electromechanical erection/usage of BHEL/Customer/owner.iii. 5% on completion of external finishing works

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/JSD/C_BLR_ESP_AHP/27/019

BROAD SCOPE OF JOB:

Civil, structural and architectural works LSTK-1 (2a) Package including levelling , Retaining wall, Roads, Storm Water Drainage, RCC Drainage Network, Water Supply System, Sewerage System, Civil Foundations Works, Machine Foundations, Boiler, Gasifier & ESP foundations, Mill Bunker building – Foundations & roof, ESP control room building / Common control room building, BFP Pump house and Pump foundations, Fan (PA/FD/ID Fans) foundations, DG building, DG set & Stack Foundations, CEP Pit and all other equipment foundations in steam generator area, Transformer yard area foundations, Chimney foundation & associated structural work, Area paving and miscellaneous foundations, water treatment plant (WTP), Effluent treatment plant (ETP), Pipe /Cable / duct supporting structures, trenches, culverts, duct banks, pedestals, hume pipe culverts and thrust blocks, Fuel Oil Unloading System, Ash Handling Plant (AHP) etc **at Lakhanpur, Jharsuguda, Odisha for BHARAT COAL GASIFICATION AND CHEMICAL LTD (BCGCL)**

S. N.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
		<p>like roof treatment, rain water pipes, outside paint, plinth protection, garland drains, approach to building and closure of punch points for the building.</p> <p><u>Note 1: -</u> Applicable Buildings/Structures falling under this additional payment terms category shall be as follows: -</p> <ol style="list-style-type: none">1. Boiler Foundations.2. Gasifier Civil Foundation Works3. Bunker Foundations.4. Chimney Foundation.5. Fan Foundations.6. DG Foundation.7. Transformer foundations. <p>All other terms and conditions shall be governed by Clause Nos. 2.6, 2.22, and 2.23 of the General Conditions of Contract (GCC) and Volume-IB, Chapter-X of the Special Conditions of Contract (SCC).</p> <p>Note 2: - Amount linked to Safety Aspect/ Compliance to Safety Rules shall be billed, withheld / released / deducted as per the procedures defined in the tender.</p>

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/JSD/C_BLR_ESP_AHP/27/019

BROAD SCOPE OF JOB:

Civil, structural and architectural works LSTK-1 (2a) Package including levelling , Retaining wall, Roads, Storm Water Drainage, RCC Drainage Network, Water Supply System, Sewerage System, Civil Foundations Works, Machine Foundations, Boiler, Gasifier & ESP foundations, Mill Bunker building – Foundations & roof, ESP control room building / Common control room building, BFP Pump house and Pump foundations, Fan (PA/FD/ID Fans) foundations, DG building, DG set & Stack Foundations, CEP Pit and all other equipment foundations in steam generator area, Transformer yard area foundations, Chimney foundation & associated structural work, Area paving and miscellaneous foundations, water treatment plant (WTP), Effluent treatment plant (ETP), Pipe /Cable / duct supporting structures, trenches, culverts, duct banks, pedestals, hume pipe culverts and thrust blocks, Fuel Oil Unloading System, Ash Handling Plant (AHP) etc **at Lakhanpur, Jharsuguda, Odisha for BHARAT COAL GASIFICATION AND CHEMICAL LTD (BCGCL)**

S. N.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
19	Construction Power: (Clause 3.13 of TCC Chapter - III)	<p>Construction power (three phase, 415 V/ 440 V) shall be provided by BHEL free of cost at one point near the site at a distance of approx. 500M within 03 months from the date of start of work. Further, distribution shall be arranged by the contractor at his own cost and services.</p> <p>However, contractor has to deploy DG Sets to meet power requirement in case of delay in availability of single source or any kind of power interruptions during the course of the project at no extra cost to BHEL.</p> <p>If any other voltage level (other than normally available) is required, the same shall be arranged by the contractor from power supply as above. Contractor shall be responsible for fulfilment of all requirements including statutory requirements in this regard.If any other voltage level (other than normally available) is required, the same shall be arranged by the contractor from power supply as above. Contractor shall be responsible for fulfilment of all requirements including statutory requirements in this regard.</p>
20	Construction Water (Clause 3.14 of TCC Chapter - III)	<p>BHEL shall provide water supply free of cost (at single point source) for construction purpose as and when made available by customer/owner within 3 months from date of start of work for construction purpose. Contractor has to make arrangement of further distribution. However, contractor shall make alternate arrangement of construction water till the same is made available by BHEL.</p>
21	'Assessment of Capacity of Bidders' to execute work	Applicable
22	'Performance Evaluation' as per Clause 9 of NIT	Applicable

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/JSD/C_BLR_ESP_AHP/27/019

BROAD SCOPE OF JOB:

Civil, structural and architectural works LSTK-1 (2a) Package including levelling , Retaining wall, Roads, Storm Water Drainage, RCC Drainage Network, Water Supply System, Sewerage System, Civil Foundations Works, Machine Foundations, Boiler, Gasifier & ESP foundations, Mill Bunker building – Foundations & roof, ESP control room building / Common control room building, BFP Pump house and Pump foundations, Fan (PA/FD/ID Fans) foundations, DG building, DG set & Stack Foundations, CEP Pit and all other equipment foundations in steam generator area, Transformer yard area foundations, Chimney foundation & associated structural work, Area paving and miscellaneous foundations, water treatment plant (WTP), Effluent treatment plant (ETP), Pipe /Cable / duct supporting structures, trenches, culverts, duct banks, pedestals, hume pipe culverts and thrust blocks, Fuel Oil Unloading System, Ash Handling Plant (AHP) etc **at Lakhanpur, Jharsuguda, Odisha for BHARAT COAL GASIFICATION AND CHEMICAL LTD (BCGCL)**

S. N.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
23	Material (Chapter-IX of TCC)	As per Clause No:-9.1 Material to be issued by BHEL (Free of Cost) unless otherwise specified in BOQ cum Rate Schedule <ol style="list-style-type: none">1. Cement2. Reinforcement Steel and MS Round Bar (Earthing Rod)3. Structural Steel for Site Fabrication Works. (Note: All material required for the development of Labour sheds shall be in the scope of the bidder))

Note: The above is for reference only. Bidders are requested to go through the complete tender documents for preparation of their offer.