

TENDER SPECIFICATION

BHEL: PSSR: SCT: 1455

FOR

Civil work-Levelling and Grading works in Coal Handling Plant, Main Plant and Switch yard area for unit- 3 of 1 x 700 MW

at

Bellary Thermal Power Station, Kudatini,
Bellary Dist, Karnataka

VOLUME-II

RATE SCHEDULE



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Power Sector – Southern Region

690, Anna Salai, Nandanam, Chennai – 600 035.

BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
Power Sector, Southern Region
690, Anna Salai, Nandanam, Chennai – 35

Tender Specification No. BHEL: PSSR: SCT: 1455

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Civil work-Levelling and Grading works in Coal Handling Plant, Main Plant and Switch yard area for unit- 3 of 1 x 700 MW at Bellary Thermal Power Station, Kudatini, Bellary Dist, Karnataka

One set of Tender documents consisting of Volume-I and Volume II

BOOK SLNO _____

Issued to

M/s

Refer NIT for Last date of submission

Please note this tender document is not transferable

For and on behalf of
BHARAT HEAVY ELECTRICALS LIMITED

ADDL GENERAL MANAGER / CONTRACTS

Place: Chennai -35

PREAMBLE TO THE SCHEDULE OF QTS. (SOQ)

- 1) Details of the items in this Schedule shall be read in conjunction with the corresponding Technical specifications and other documents and shall have precedence over any contrary statement mentioned anywhere in this document.
- 2) The work shall be carried out as per construction drawings (which will be issued progressively during the execution), specifications, the description of the items in this schedule and/or Engineer's instructions. The layout, sizes and details of the building, structures and foundations may vary at a large extent during actual construction.
- 3) Items of work provided in this schedule but not covered in the specifications shall be executed strictly as per instructions of the Engineer.
- 4) Unless specifically mentioned otherwise in the contract, the bidder shall quote his rates for the finished items and shall provide for the complete cost towards fuel, tools, tackle, equipment, constructional plant, temporary works, labour, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervision, shops, establishments, services, temporary roads, revenue expenses, contingencies, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the works according to the contract.
- 5) The rate quoted shall be inclusive of cleaning the site of any vegetations, dressing and leveling etc., required for commencement of site activities. No separate payment will be made towards the same.
- 6) The rate shall also be inclusive of carrying out survey of site to establish levels and coordinates at suitable intervals, from existing grid levels and coordinates furnished by the owner, establish bench marks, setting out the location and levels of the proposed structures, constructions and making references, pillars and other identification marks etc. No separate payment will be made towards the same.
- 7) Engineer's decision shall be final and binding on the contractors regarding clarification of items in this schedule with respect to the other section of the contract.
- 8) Unless otherwise specified in the schedule of items Structural and Reinforcement steel will be issued by BHEL as FREE ISSUE for incorporation in the permanent works as specified elsewhere in this tender document.
- 9) In case of any discrepancy between item description, relevant drawing and/or specification clarification shall be sought at tender stage itself. Otherwise it shall be assumed that the bidder has quoted for the more stringent requirement.
- 10) Refer the relevant clauses in the GCC for payment of additional items and Quantity variation.
- 11) Refer Clause 26.0 in NIT for order of precedence.



Tender Specification BHEL PSSR SCT 1455 for Unit 1X700 MW MW at BELLARY TPS , STAGE-III

RATE SCHEDULE

FGL for CHP area and Cooling Tower area are considered as RL (+)478.00 M & FGL Main Plant & Switch Yard are considered as RL (+)476.00 M

SL. NO	DESCRIPTION OF ITEM	UOM	Qty	Rate in INR		Amount in INR	
				In fig	In words	In fig	In words
2	Earth work in stripping of top soil upto a maximum depth of 0.30m below ground level so as to exclude all debris, grass, vegetation, bushes, trees having girth upto 300mm including roots and organic materials etc for leveling and grading including dressing to specified levels & grades and compacting the graded/stripped surface by manual/mechanical means, disposal of stripped materials within a lead upto 1km etc all complete as per specification, drawing and as directed by the engineer-in-charge.	SQM	48738				
3	Earth work in excavation upto any depth below ground level in all types of soil including moorum, ash which can be excavated by any means for grading including setting out, levelling, dewatering (wherever required), dressing the sides & bottom, levelling to grade, all lifts, ramming/compacting the excavated bottom/graded surface, stacking/disposal of surplus excavated materials within a lead upto 1km, spreading/levelling of disposed materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	129693				

Signature of Bidder

SL. NO	DESCRIPTION OF ITEM	UOM	Qty	Rate in INR		Amount in INR	
				In fig	In words	In fig	In words
4	Earth work in excavation upto any depth below ground level in soft rock (rock without any recovery of excavated materials in the form of hard stone/boulder) including weathered rock which can be excavated by means of crow bar, pick axe, pneumatic rock breaker attachment with excavator machine etc (but does not require chiselling or blasting) for grading including setting out, levelling, dewatering (wherever required), dressing the sides & bottom, all lifts, ramming/compacting the excavated bottom, stacking/disposal of surplus excavated materials within a lead upto 1km , spreading/levelling of disposed materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	172925				
6	Earth work in excavation upto any depth below ground level in hard rock requiring controlled blasting including wedging, line drilling, pre shearing etc as required for grading, setting out, levelling, dewatering (wherever required), dressing the sides & bottom, all lifts, necessary licenses/statutory clearances for blasting, supply, storage & handling of blasting materials, stacking/disposal of surplus excavated materials within a lead upto 1km , spreading / levelling of disposed materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	562005				
7	Earth work in excavation upto any depth below ground level in hard rock requiring chiselling including wedging, line drilling, pre shearing etc as required for grading, setting out, levelling, dewatering (wherever required), dressing the sides & bottom, all lifts, stacking/disposal of surplus excavated material within a lead upto 1km , spreading / levelling of disposed materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	4000				

Signature of Bidder

SL. NO	DESCRIPTION OF ITEM	UOM	Qty	Rate in INR		Amount in INR	
				In fig	In words	In fig	In words
9	Earth work in filling upto any depth below ground level for grading to proper grade and level in layers not exceeding 300mm loose thickness with selected approved soil from compulsorily excavated soil available within a lead upto 1km and compacted as specified including re-excavation of stacked earth, all lifts, sorting, spreading, breaking clods, watering, ramming/compaction by manual/mechanical means, dressing, finishing to required lines, grades and slopes, tesing etc all complete as per specification, drawing and as directed by the engineer for the following.						
a	Each layer compacted so as to achieve at least 95% maximum dry density as per IS-2720 (Part-VII)	CUM	62976				
10	Extra over ST No. 1 to 9 for carriage of unserviceable material/earth for every 1 km or part thereof beyond an initial lead of 1km.						
10A	Extra over item ST No. 1 to 9 for Carrige of unserviceable material/earth beyond a lead of 1km and upto a lead of 2 km.	CUM	805647				
10B	Extra over item No. 10A for Carrige of unserviceable material/earth beyond a lead of 2 km and upto a lead of 3 km.	CUM	805647				
10C	Extra over item No. 10B for Carrige of unserviceable material/earth beyond a lead of 3 km and upto a lead of 4 km.	CUM	805647				
10D	Extra over item No. 10C for Carrige of unserviceable material/earth beyond a lead of 4 km and upto a lead of 5 km.	CUM	805647				
10E	Extra over item No. 10D for Carrige of unserviceable material/earth beyond a lead of 5 km for every 1 Km and part there-off.	CUM	10000				

Signature of Bidder

SL. NO	DESCRIPTION OF ITEM	UOM	Qty	Rate in INR		Amount in INR	
				In fig	In words	In fig	In words
12	Providing and laying 225mm thick stone pitching including caulking with 1 cement: 4 sand mortar on the slopes of earth fill/cut with approved quality of rock fragments including materials, testing, necessary excavations if any, compaction etc all complete as per specification, drawing and as directed by the engineer.	CUM	4269				
	TOTAL :						

Signature of Bidder