

TENDER SPECIFICATION

NO: BHE/PW/PUR/WNT2-CVL PKG-1 (Leveling & Grading)/1394

Complete Leveling, grading, Land development, & Slope Protection including Excavation, Backfilling, filling with burrowed soil, disposal of unserviceable earth and all associated works, complete as per specification of entire Plant Area.

AT

WTPS 1X800MW UNIT-8WANAKBORI, GUJRAT

VOLUME-II-PRICE BID SPECIFICATION



BHARAT HEAVY ELECTRICALS LIMITED

(A GOVERNMENT OF INDIA UNDERTAKING)

POWER SECTOR - WESTERN REGION

SHREEMOHINI COMPLEX

345, KINGSWAY - NAGPUR 440 001

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EARNEST MONEY DEPOSIT: Please see Notice Inviting Tender.

LAST DATE FOR: Please see Notice Inviting Tender.

TENDER SUBMISSION:

THESE TENDER SPECIFICATION DOCUMENTS CONTAINING **VOLUME-I**, Vol-I-E, **VOLUME- II-Price Bid** ARE ISSUED TO:

M/s.

PLEASE NOTE:

THESE TENDER SPECS DOCUMENTS ARE NOT TRANSFERABLE.

For Bharat Heavy Electricals Limited

AGM (Purchase)

Place: Nagpur

Date:

BHEL PSWR
Vol-II-Price Bid Specifications
T.S. NO: BHE/PW/PUR/WNT2-CVL PKG-1 (Leveling Grading)/1394

PRICE BID SPECIFICATION FOR LEVELING, GRADING AND LAND DEVELOPMENT OF 1X800 MW WANAKBORI UNIT-8						
ST. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	Unit Rates in Figures (In Rs)	Unit Rates in Words (In Rs)	Total Amounts (In Rs)
LEVELLING & GRADING						
1	Cutting of trees having girth more than 300 mm measured at a height of 1m above ground level including removal of roots, stacking the seviceable material like trunks,branches etc at specified area within the plant boundary and disposal of unseviceable parts/materials within a lead upto 1km etc all complete.	EACH	50			
2	Earth work in stripping of top soil upto a minimum depth of 200mm 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	271870			
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	963051			

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ST. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	Unit Rates in Figures (In Rs)	Unit Rates in Words (In Rs)	Total Amounts (In Rs)
4	Earth work in filling upto any depth below ground level for grading to proper grade and level in layers not exceeding 250mm loose thickness with selected approved soil directly from excavation within a lead upto 1km and compacted as specified including dewatering if required, 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	101120			

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ST. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	Unit Rates in Figures (In Rs)	Unit Rates in Words (In Rs)	Total Amounts (In Rs)
5	Earth work in filling upto any depth below ground level for grading to proper grade and level in layers not exceeding 250mm 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	573016			
6	Extra over ST No. 1 to 5 for carriage of unserviceable material/earth for every 1 km or part thereof beyond an initial lead of 1km.	CUM	370476			
7	Earth work in filling upto any depth below ground level for grading to proper grade and level in layers not exceeding 250 mm loose thickness with approved borrowed soil (borrowed soil to be arranged by the bidder) and compacted as specified including supplying boorowed soil, royalty/seignorage fee (if any), sorting, spreading, breaking clods, watering, ramming/compaction by manual/mechanical means, dressing, finishing to required lines, grades and slopes, tesing, all lead and lifts 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	1486857			

BHEL PSWR
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ST. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	Unit Rates in Figures (In Rs)	Unit Rates in Words (In Rs)	Total Amounts (In Rs)
8	Providing and placing 300mmx300mm size and 50mm thick precast concrete tiles of grade M-20 over 75mm thick cement sand mortar of 1:3 on geotextile membrane on the embankment, joints to be filled with cement sand mortar 1:3 etc all complete as per specification and as directed by the engineer-in-charge. The rate shall be inclusive of cement sand mortar as well.	SQM	50566			
9	Providing and placing turfing with approved quality of grass on the outer slopes of the embankment including materials, transportation and watering etc all complete as per specification and as directed by the Engineer-in-Charge.	SQM	29200			
10	Providing and laying compacted 25mm thick moorum over compacted earth including watering and compaction with road roller to make required line, slope and levels etc all complete as per drawing, specification and as directed by the Engineer-in-Charge.	CUM	64			
11	Concrete of grade M-10 as levelling course below finished floor level, under and around foundations/floors, drains, pits, sumps, encasing guard stones etc at all levels complete.	CUM	3792			
12	Providing, fixing and removing formwork at any elevations for all structures, as per specifications and including all labour, material, scaffoldings and centering complete including pockets etc. complete as per drawing, specifications and as per direction of engineer in charge with good quality water proof ply wood of required thickness	SQM	10379			
13	Providing and spraying antiweed treatment using approved weedicides on the embankment etc all complete as per specification and as directed by engineer-in-charge.	SQM	79766			

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ST. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	Unit Rates in Figures (In Rs)	Unit Rates in Words (In Rs)	Total Amounts (In Rs)
14	Providing and laying of approved quality of non woven geotextile membrane including unrolling, cutting etc all complete as per specification and as directed by Engineer-in-charge.	SQM	79766			
15	Earth work in filling in slope of thickness 300mm with approved borrowed soil (borrowed soil to be arranged by the bidder) having a clay content of at least 25% and compacted as specified including supplying boorowed soil, royalty/seignorage fee (if any), sorting, spreading, breaking clods, watering, ramming/compaction by manual/mechanical means, dressing, finishing to required lines, grades and slopes, tesing, all lead and lifts etc all complete as per specification, drawing and as directed by the engineer for the following.	CUM	23930			
	GRAND TOTAL (In Rs)					
GRAND TOTAL (In Rs) (In Words) Rupees						