

भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 05

Ref: PSER:SCT:MJA-C725:TCN-05 Date: 28-02-2007

Sub	Tend	er change notice (TCN) 05.					
Job	Complete site grading & leveling, foundation work of boiler & ESP, drains etc for						
	2x50	0 MW unit # 1 & 2 at Mejia-B TPS, West Bengal.					
Ref	1.0	Tender no PSER:SCT:MJA-C725:07.					
	2.0	BHEL's NIT vide reference no PSER:SCT:MJA-C725:0796, dated 19-01-07.					
	3.0 BHEL's TCN-01 vide reference no PSER:SCT:MJA-C725:TCN-01, da						
		01-07.					
	4.0	BHEL's TCN-02 vide reference no PSER:SCT:MJA-C725:TCN-02, dated 31-					
		01-07.					
	5.0	BHEL's TCN-03 vide reference no PSER:SCT:MJA-C725:TCN-03, dated 03-					
		02-07.					
	6.0	BHEL's TCN-04 vide reference no PSER:SCT:MJA-C725:TCN-04, dated 09-					
		02-07.					

With reference to above, following points, relevant to tender, may please be noted and complied with while submitting offer.

- 1.0 Few terms of tender have been modified and the same are furnished in enclosed Annexure-A.
- 2.0 Volume-III, Price Schedule (IIIA & IIIB) has been revised based on clarifications furnished/ changes effected in earlier TCNs and the revised Price Schedules are enclosed under Rev-2.
- 3.0 No deviation certificate has been revised and the same is attached. Bidder to submit `No deviation certificate' as per attached format only.
- 4.0 All other terms & conditions shall remain unchanged.

Based on above, you are requested to submit (i) un-priced offer as per enclosed revised Volume-IIIA (Rev-2) & Volume-IIIB (Rev -2) format and (ii) priced offer in two separately sealed envelopes as per enclosed revised Volume-IIIA & Volume-IIIB (Rev-2). In case you prefer to retain earlier priced unchanged, please confirm the same.

Your compliance/ confirmation as per above shall reach us by 06-03-2007 for further processing.

Thanking you,

Yours faithfully, for BHARAT HYEAVY ELECTRICALS LTD

DGM (SCT)

Encl: As above.

FORMAT FOR NO DEVIATION CERTIFICATE (To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED, Power Sector - Eastern Region, Plot no 9/1, DJ Block, Sector – II, Salt Lake City, Kolkata – 700 091

Sub	No c	No deviation certificate.						
Job	Complete site grading & leveling, foundation work of boiler & ESP							
	drair	ns etc for 2x500 MW unit # 1 & 2 at Mejia-B TPS, West Bengal.						
Ref	1.0	Tender no PSER:SCT:MJA-C725:07.						
	2.0	BHEL's NIT vide reference no PSER:SCT:MJA-C725:0796, dated						
		19-01-07.						
	3.0	BHEL's TCN-01 vide reference no PSER:SCT:MJA-C725:TCN-01,						
		dated 24-01-07.						
	4.0	BHEL's TCN-02 vide reference no PSER:SCT:MJA-C725:TCN-02,						
		dated 31-01-07.						
	5.0	BHEL's TCN-03 vide reference no PSER:SCT:MJA-C725:TCN-03,						
		dated 03-02-07.						
	6.0	BHEL's TCN-04 vide reference no PSER:SCT:MJA-C725:TCN-04,						
		dated 09-02-07.						
	7.0	BHEL's TCN-05 vide reference no PSER:SCT:MJA-C725:TCN-05,						
		dated 28-02-07.						

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website and in case of observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT and confirm our acceptance to reverse auctioning process and we hereby convey our unqualified acceptance to all terms and conditions as stipulated in the tender and NIT.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer strictly in accordance with tender instructions.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized representative of the bidder)

				ANNEXUE	RE-A to TCN-05			
Job -	Complete	site g			ork of boiler & ESP, drains etc for 2x500 MW unit # 1 & 2 at			
Mejia-	B Therma	I Pow	er Station, West Be	ngal.				
Tende	er no - PS	ER:S	CT:MJA-C725:07					
SI no	Clause/	Clari	fication					
	sl no							
	<u>'olume-l</u>							
1.1	29.0	Claus	se no 29.1 is revised	d as under:				
		The t	•	mpleted in al	I respects within 250 (two hundred fifty) days from the date			
1.2	30.0	Claus	se no 30.7.1 is revis	ed as under.				
		~	alada a shalla a da	050 1-				
4.0	20.0		pletion of all works -		a man fallaccina considera Apparations, the places at and			
1.3	38.0		is applicable for t ed as under.	nis tender a	s per following provision. Accordingly, the clause stands			
1.3.1	38.1	(inclu wage you s	If after the `Base date', ie date of issue of LOI by BHEL, and/ or during the progress of work (including, during the extended period of completion if any, as allowed by BHEL) the minimum wages for labour, prices of diesel oil and other materials used in the works gets increased, then you shall be entitled for such increase (provided delay is not attributable to you). Likewise, if there is any decrease in the indices/prices of above mention items, BHEL shall be entitled for					
1.3.2	38.2			of price varia	ation under each category, their component and base index/			
		•	will be as under.					
			Category	Component	Base Index/ price			
		no 1	Labour of all	40%	Minimum wages of unskilled adult male worker as per			
			categories	40 70	Minimum Wages Act and notification there, under applicable to the project site.			
		2	Diesel Oil	15%	Prices of HSD oil at pump of IOC nearest to the project site.			
		3	Other materials (other than those issued by BHEL)	15%	Wholesale price index of all commodities as published by RBI.			
		4	Fixed component	30%	Not escalable.			
1.3.3	38.3	follow than A = K	ving notional formu those issued by BH (xRx(Xn-Xo)/Xo, wh	la in respect EL), Diesel C ere	in index/ prices shall be determined on the basis of the of the identified components, viz labour, materials (other bil. e to variation in the index for labour, materials (other than			
			s issued by the BHE		•			
			Component of laborated in the above ta		s (other than those issued by BHEL) and Diesel Oil as			
		R = 0	Gross value of work	done for the	billing month.			
			Revised index no/ liesel Oil for the mor		our, materials (other than those issued by BHEL) and prices one.			
		the b	ase date indicated,	ie date of iss	ials (other than those issued by BHEL) and Diesel Oil as on ue of LOI by BHEL.			
1.3.4	38.4		total PVC payable e, excluding extra w		contract shall have an overall ceiling of 10% of executed			

SI no	Clause/	Clarification						
	sl no							
1.3.5	38.5	The quantum of such price variation amounts per month shall be restricted to 10% of each RA bill value (gross) ie 'R', the difference if any with respect to overall ceiling limit of 10% of the executed value (excluding extra works, if any) will be paid in the final bill only.						
1.3.6	38.6	You shall produce necessary price list for Diesel Oil, notification issued by the Govt for min wages and RBI Bulletins, for receiving payment from BHEL/ recovery to be made to BHEL as required in the notional formula mentioned above.						
1.3.7	38.7	You will be required to raise bills for price variation payments on a monthly basis along with the running bills irrespective of the fact whether, any increase/ decrease in price / index has taken place or not.						
2.0 V	olume-l	IIA & Volume-IIIB						
2.1	Based on clarification/ revisions effected vide TCN-01 thru TCN-04, Volume-IIIA & Volume-IIIB have been revised and revised Volume-IIIA (Rev-2) & Volume-IIIB (Rev-2) are enclosed. Bidder shall submit their unpriced offer in 1 sealed envelope and priced offer in two separately sealed envelopes as per enclosed revised format only.							
3.0 G	3.0 General							
3.1	All other t	erms & conditions shall remain unchanged.						

VOLUME-IIIA PRICE SCHEDULE, REV-2

Complete site grading & leveling, foundation work of boiler & ESP, drains etc for 2x500 MW unit # 1 & 2 at Mejia-B Thermal Power Station, West Bengal.

TENDER NO - PSER:SCT:MJA-C725:07

PREAMBLE

- 1.0 This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with other volumes of tender as applicable.
- 2.0 The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
- 3.0 Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
- 4.0 Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.
- The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains within thirty percent (± 30%) of the contract price.
- 6.0 The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing and leveling etc. including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same.
- 7.0 Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language.
- 8.0 All works item wise shall be measured upon completion and paid for at the rates quoted and accepted.
- 9.0 The tender shall be deemed to have studied the specifications, details of work to the done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
- 10.0 Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.

VOLUME-IIIA PRICE SCHEDULE, REV-2

Complete site grading & leveling, foundation work of boiler & ESP, drains etc for 2x500 MW unit # 1 & 2 at Mejia-B Thermal Power Station, West Bengal.

TENDED		DOED COT MIN COOK OF
IENDER	NO -	· PSER:SCT:MJA-C725:07.

SL	ST	TENDER NO - PSER:SCT:MJA-C	QUANTITY	UNIT RATE	AMOUNT
NO	NO			(Rs)	(Rs)
1.0		Earth work in stripping of top soil for an average depth of 0.20 mtr below ground level so as to exclude all debris, grass, vegetation, bushes, trees including roots and organic materials etc for leveling and grading including dressing to specified levels & grades and compacting the graded/ stripped surface by manual or mechanical means, disposal of stripped materials within a lead of 1 km etc as per specification, drawing and as directed by the engineer.			,
2.0		Earth work in excavation upto any depth in all types of soil and soft rock including ash, laterite, moorum, weathered rock, decomposed rock etc which can be excavated by means of crow bar, pick axe etc but does not require chiselling or blasting, for levelling and grading including dressing the sides, leveling to grade, ramming/compacting the graded surface, stacking/ disposal of surplus excavated material within a lead of 1 km etc complete as per specification, drawings and as directed by the engineer.			
3.0		Earth work in excavation upto any depth in hard rock requiring blasting/ controlled blasting and/ or chiselling, wedging, line drilling, pre shearing or any other means without damaging the existing structures including supply, storage & handling of blasting materials etc, for levelling and grading including dressing the sides, leveling to grade, ramming/ compacting the graded surface, stacking/ disposal of surplus excavated material within a lead of 1 km etc complete as per specification, drawings and as directed by the engineer.			
4.1		Disposal of surplus excavated earth beyond an initial lead of 1km and upto a lead of 3 km including leveling the dumped soil, compaction etc all complete as per specification and as directed by the engineer.			
4.2		Disposal of surplus excavated earth beyond an initial lead of 1 km and upto a lead of 5 km including leveling the dumped soil, compaction etc all complete as per specification and as directed by engineer.			

SL	ST	DESCRIPTION	QUANTITY	UNIT RATE	AMOUNT
NO	NO			(Rs)	(Rs)
5.0		Earth work in filling for levelling and grading using selected excavated earth from compulsory excavations inside the project site on prepared surface obtained by compacting with mechanical means including setting out, filling in horizontal layers not exceeding 250 mm compacted thickness, spreading, sorting, breaking clods, watering, compaction with proper moisture content to achieve a minimum 95 % of maximum dry density (standard Proctor Density), dewatering (if required), testing, approaches, finishing to required lines, grades and slopes, levelling etc complete as per specification, drawing and as directed by the engineer.			

SL	ST	DESCRIPTION	QUANT	ITY	UNIT RATE	AMOUNT
NO	NO		407		(Rs)	(Rs)
7.0		Earth work in filling for levelling and grading using borrowed good earth (borrowed good earth to be arranged by the contractor at his own cost) on prepared surface obtained by compacting with mechanical means including setting out, filling in horizontal layers not exceeding 250 mm compacted thickness, spreading, sorting, breaking clods, watering, compaction with proper moisture content to achieve a minimum 95 % of maximum dry density (standard Proctor Density), dewatering (if required), testing, approaches, finishing to required lines, grades and slopes, levelling etc complete as per specification, drawing and as directed by the engineer. Providing, stacking and laying 300 mm thick boulder				
7.0		pitching on the slopes of earth fill/cut with approved quality of rock fragments including materials, necessary excavations if any, compaction etc complete as per specification, drawing and as directed by the engineer.		COIVI		
	100	EARTH WORK IN EXCAVATION, BACKFILLING AND DISPOSAL AS PER SPECIFICATION AND DRAWING FOR BOIER & ESP FOUNDATION, RETAINING WALLS ETC				
8.0	101	Earthwork in excavation including providing coffer dams, shoring, strutting, sheeting, bracing, draining and pumping out water other than water below ground water table, clearing all grass, vegetation etc., trimming of excavation bottom, staking, levelling, grading, lift of 2 m below ground level, lead of upto 100 m, loading, unloading etc. of excavated materials all complete as per specifications, drawings and instructions of the engineer in charge.				
8.1	i)	In all types of soils including expansive soil, ash, morrum, laterite.	22531	CUM		
8.2	ii)	In soft rock and weathered rock which can be excavated by means of crow bar, pick axe etc but does not require chiselling, chemical grouting and blasting.				
8.3	iii)	In hard rock, by means of controlled blasting including provision of sensor to assess the impact of blast on the adjacent structures.		CUM		
8.4	iv)	In hard rock (blasting prohibited) by means of chiselling, wedging etc.	544	CUM		
9.0	102	Extra over item 101 above, for all types of soil/ rock, for additional lifts beyond the initial lift of 2 m for the following etc all complete as per specifications, drawings and instructions of the engineer in charge (cost of excavation and lift down to 2 mtr depth below ground level shall not be included in this item).				
9.1	i)	Lift in all types of soils.	4740	CLINA		
9.1.1	а	Lift beyond 2 m and upto 4 m.	4719			
9.1.2	b ii/	Lift beyond 4 m and upto 7 m.	2/4	CUM		
9.2	ii)	Lift in all types of rocks.	4550-	CL III 4		
9.2.1	a h	Lift beyond 2 m and upto 4 m.	15597			
9.2.2	b	Lift beyond 4 m and upto 7 m.	7630	CUIVI		

SL NO	ST NO	DESCRIPTION	QUANTITY		UNIT RATE (Rs)	AMOUNT (Rs)
9.2.3	С	Lift beyond 7 m and upto 10 m.	183	CUM		
10.0	103	Extra over item 101 above for excavation below ground water table including lowering of ground water table to maintain dry working conditions for all activities up to filling/testing, water proofing all complete as per specifications, drawings & instructions of the engineer.		CUM		
11.0	104	Extra over item 101 above for carriage of all types of excavated materails beyond the initial lead of 100 m (initial lead, loading and unloading included in item 101 above) all complete as per specifications, drawings and instructions of the engineer for the following leads.				
11.1	i)	Carriage beyond initial lead of 100 m but not exceeding 500 m				
11.2	ii)	Carriage beyond 500 m and not exceeding 2 Km.	5599			
11.3	iii)	Carriage beyond 2 Km and not exceeding 5 Km.	1400	CUM		
11.4	iv)	Carriage beyond 5 Km and not exceeding 10 Km.	1400	CUM		
12.0	105	Filling using selected excavated materials in trenches, plinths, sides of foundations and other underground structures, pipes, area levelling etc in layers not exceeding 250 mm thickness including lead upto 100 m and all lifts and including loading from stock pile, carting, unloading, filling, watering and compacting/ ramming each layer, all complete as per specifications, drawings and as directed by the engineer to achieve the following densities.				
12.1	i)	Ordinary manual compaction.	1511	CUM		
12.2	ii)	90% Standard Proctor density.	27199	CUM		
12.3	iii)	95% Standard Proctor density.	1511	CUM		
13.0	106	Filling using selected excavated materials directly from excavation area in trenches, plinths, sides of foundations and other underground structures, pipes, area levelling etc in layers not exceeding 250 mm thickness including all lifts, filling, watering and compacting/ ramming each layer, all complete as per specifications, drawings and as directed by the engineer to achieve the following densities.				
13.1	i)	Ordinary manual compaction.		CUM		
	ii)	90% Standard Proctor density.	2347			
13.3	iii)	95% Standard Proctor density.		CUM		
14.0	107	Filling using selected materials in trenches, plinths, sides of foundations, in the space below the grade level slab and other under ground structures, pipes etc in layers not exceeding 250 mm in thickness including all lifts and including excavating, loading, unloading, carting, filling, watering and compacting/ ramming each layer, all complete as per specifications, drawings and as directed by the engineer for the following works.				
14.1	i)	With selected soil brought from borrow areas arranged by contractor, including royalties, fees etc.for all leads and compacted to following densities.				
14.1.1	a	90% Standard Proctor density.	634	CUM		
14.1.2	b	95% Standard Proctor density.	70	CUM		

SL	ST	DESCRIPTION	QUANT	ITY	UNIT RATE	AMOUNT
NO	NO				(Rs)	(Rs)
14.2	ii)	With selected sand brought from quarries/ river bed		CUM		
		arranged by contractor, and compacting to 80% relative				
	200	density etc for all leads. PROVIDING AND PLACING CONCRETE WORK				
	200	INCLUDING COST OF LABOUR, MATERIALS AND				
		EQUIPMENT FOR HANDLING, TRANSPORTATION,				
		BATCHING, MIXING, PLACING, VIBRATING AND				
		CURING (EXCLUDING COST OF CENTERING,				
		· · · · · · · · · · · · · · · · · · ·				
		SHUTTERING AND REINFORCEMENT) COMPLETE AS PER DRAWING AND SPECIFICATIONS UNLESS				
15.0	201	SPECIFIED OTHERWISE FOR THE FOLLOWING.	222	CUM		
15.0	201	Concrete of grade M7.5 as filling course at any level		CUIVI		
		below finished floor level, under and around				
		foundations/ floors, mass dumps etc with 40 mm nominal				
1/ 0	202	size graded aggregate.	4445	CLINA		
16.0	202	Concrete of grade M10 as lean concrete, levelling	1115	CUIVI		
		course, mud mat under and around foundations/ floors				
47.0	205	etc with 40 mm nominal size graded aggregate.	00500	011114		
17.0	205	Concrete of grade M25 in underground structures like		CUM		
		foundations, columns below finish floor level, plinth				
		beams, slab-on-grade, retaining walls, drains etc				
470	20F A	complete with 20 mm nominal size graded aggregate.	54045	COM		
17A	205A	Providing (supply & application) anti termite treatment in		SQM		
		underground structures like foundations, columns below				
		finish floor level, plinth beams, slab-on-grade, retaining				
10.0	21.4	walls, drains etc complete as per IS 6313.				
18.0	214	Dismantling concrete work for all types of structures at all				
		levels including stacking of servicable material to a lead				
		of 500 m and disposal of unservicable material upto a				
		lead of 2 km, cutting of reinforcement, labour, equipment,				
		safety precautions etc all complete as per drawings,				
		specification and instructions of engineer in charge.				
18.1	i)	Plain cement concrete of all grades.	20	CUM		
18.2	ii)	Reinforced cement concrete of all grades.	50	CUM		
19.0	215	Chipping of concrete in reinforced concrete work, cutting	100	CUM		
		pockets, making openings at all levels and according to				
		shapes, disposal of waste materials upto a lead of 2 km				
		as directed by engineer including equipment, safety				
		precautions etc all complete as per specification,				
		drawing, instructions of engineer in charge but excluding				
		cutting of reinforcement.				
20.0	216	Extra over and above ST NO 214 for cutting of	125	SQM		
-3.0		reinforcement, all sizes and types including labour,				
		equipment, return of cut reinforcement to store etc all				
		complete as per specification, drawings and instructions				
		of engineer in charge.				
	300	SUPPLYING, FIXING AND REMOVING FORMWORK				
	1	AT ANY ELEVATIONS FOR ALL STRUCTURES, AS				
		PER SPECIFICATIONS AND INCLUDING ALL				
		LABOUR MATERIAL, SCAFFOLDINGS AND				
		CENTEREING COMPLETE INCLUDING POCKETS				
		ETC FOR THE FOLLOWING				
L	1	L TO TON THE TOLLOWING				

SL	ST	DESCRIPTION	QUAN	ΓΙΤΥ	UNIT RATE	AMOUNT
NO	NO				(Rs)	(Rs)
21.0	301a	Ordinary form work below finished ground floor level for foundations, footings, bases of columns, walls, columns, pilasters, beams, mass concrete, trenches etc.				
22.0		Fairface form work below finished ground floor level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc for exposed concrete works.		SQM		
23.0	306	Providing, fixing and removing formwork in block-outs/ pockets and openings (below 0.1 sqm contact surface area with concrete) at all elevations including cutting, formation of all shapes and all other operations required for making the required shape and size all complete as per specification, drawing and instruction of engineer in charge.				
23.1	i)	Upto 300 mm depth.		NO		
23.2	ii)	From 301 mm upto 600 mm depth.		NO		
23.3	iii)	From 601 mm upto 1000 mm depth	5	NO		
24.0	400	REINFORCEMENTS Providing, straightening, cutting, bending, placing at any level, binding in position high yield strength steel reinforcements in concrete including cost of reinforcement and binding wire, labour etc complete all as per specifications & drawings.		MT		
	700	MS EMBEDMENTS				
25.0	701	Supply, fabricating and fixing of embedments, MS inserts, pipe sleeves, guide rails, angle pieces, rungs of various diameters, plates of dimensions as required including cost of all labour, materials and equipment, transportation, loading, unloading, handling, welding, cutting, drilling, scaffolding and setting complete as per specifications, drawings and as directed by Engineer (Including cost of all steel materials, to be supplied by vendor).		MT		
25A	702	Fixing of embedments, MS inserts, pipe sleeves, rails, guide rails angle pieces, anchor bolts of various diameters, plates of dimensions as required including cost of all labour, materials and equipment for fixing in position, scaffolding and setting in position, transportation from stores within the plant boundary to work spot, loading, unloading etc complete as per specifications and drawings. (Steel materials will be supplied by BHEL as per SCC). GROUTING AS PER SPECIFICATION FOR THE		MT		
2/ 0	002	FOLLOWING.	4	CLINA		
26.0	802	Providing & grouting of pocket holes, pipe sleeves of any shape and size under base plate after erection, and alignment if necessary, of heavy machinery at any elevations including roughening surface, cleaning, ramming, curing, etc with Conbextra GPX-2 of 'Fosroc' or equivalent all complete as per specifications (cost of all material and cleaning the pocket by compressed air shall be in the scope of the contractor).		CUM		

SL NO	ST NO	DESCRIPTION	QUANTITY	UNIT RATE (Rs)	AMOUNT (Rs)
27.0	803a	Providing & grouting of pocket holes, pipe sleeves of any shape and size under base plate after erection, and alignment if necessary, of main structural steel work at any elevations including roughening surface, cleaning, ramming, curing, etc with Conbextra GP-1 or equivalent all complete as per specifications (cost of all material and cleaning the pocket by compressed air shall be in the scope of the contractor).		Λ	
28.0	803 b	Providing and fixing weep holes consisting of 100 mm dia LDPE pipe sleeves (average length 1500 mm) along with single side covering for the pipe mouth with galvanised welded wire fabric of 20 mm sq opening along with 300x300 mm sq, 300 mm deep, 40 mm aggregates to cover fabric mesh mouth complete as directed by engineer in charge.	385 NO		
29.0	1808	Laying of earthing mats/ rods including transportation from yard stores, loading, unloading, cutting to length, welding etc complete as per specification and as directed by engineer-in-charge.	35 MT		
30.0		Consolidation of sub-grade with road roller including making good the undulations etc with earth or quarry spoils etc and rerolling the subgrade to required levels and camber.	15000 SQI	Л	
31.0		Supplying, stacking and laying moorum of approved quality at site including watering, ramming consolidating and dressing etc complete.		Л.	
32.0		Transporation & laying 300 mm thick base/ sub base course in 2 layers of 150 mm thickness each with coal rejection boulder including screening, sorting, spreading to template and consolidation with road roller including carriage spreading and consolidation of blinding material moorum etc Including cost of material, labour, all complete.		Л	
33.0		Providing, laying light duty non pressure NP3 class RCC pipes with collars jointed with stiff mixture of cement mortar 1:2 including testing of joints etc complete - 600mm dia, as per specification.	200 RM		
34.0		Providing, laying light duty non-pressure NP3 class RCC pipes with collars jointed with stiff mixture of cement mortar 1:2 including testing of joints etc complete - 900mm dia, as per specification.	150 RM		
35.0		Providing brick work in cement mortar 1:6 (1 part cement: 6 parts coarse sand) in walls, chambers etc of 254 mm & above in thickness at all elevation including raking out joints, curing, scaffolding etc all complete excluding plastering and painting, using bricks of class designation 5.0 or best locally available quality of nominal dimensions as per specification.		Л	

SL	ST	DESCRIPTION	QUANT	ITY	UNIT RATE	AMOUNT
NO	NO				(Rs)	(Rs)
36.0		Providing & laying water bound macadam base/ sub	1500 (CUM.		
		base course in layers of required thickness with stone				
		aggregate 63 mm to 40 mm size, stone screening and				
		blinding material including screening sorting, spreading				
		to template and consolidation with road roller including				
		carriage, spreading and consolidation of blinding material				
		moorum etc Including cost of material labour etc all				
		complete as per specification.				

SL	ST	DESCRIPTION	QUANTITY	UNIT RATE	AMOUNT
NO	NO			(Rs)	(Rs)
37.0		Laying water bound macadam wearing course with stone aggregate 50 mm to 20 mm size stone screening and binding material including screening, sorting, spreading to template and consolidation with road roller including carriage spreading and consolidation of blinding material moorum etc Including cost of material labour etc all complete as per specification.	1500 CUM.		
38.0		Providing and laying soling with brick jhama of sizes of 50 mm to 100 mm, at all position and depths below or above finished ground floor level, below foundations, below flooring, below erection common roads, providing hard standing, and hard surfacing, etc in one or more layers each of approximately 75 mm thickness, hand packing, filling in interstices with quarry spalls and providing a layer of moorum/ sand over layer of soling to make the surface even including watering, thoroughly compacting each layer with 10 tonne power roller with minimum 6 passes (or with vibrating plate of approved capacity at places not approachable by power roller) all as per the direction of the engineer and as per specification.			
39.0		Providing & laying 25 mm thick premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of size 12.5 mm and 10 mm respectively per 100 sqm with hot bitumen @ 52 kg and 56 kg per cum of 12.5 mm & 10 mm size stone chippings respectively including a tack coat with hot bitumen @ 1.00 kg per sqm of road surface including consolidation with road roller etc, all complete, with bitumen heated and then mixed with solvent at the rate of 70 gms per kg of bitumen including cost of all material, labour all complete as per specification, drawings and instructions of the engineer.	2500 SQM		
40.0		Providing mixing and laying of compacted 75 mm thk bituminous macadam course. Bitumen shall be of a suitable grade complying with IS-73 and aggregates and binder material as specified in specification all complete including hot mixing, hot laying rolling as per IRC specification all complete as per drawing, specification and as directed by engineer.	2500 SQM		
TOTA	L	, , , ,	•		
41.0		For Item not covered above, quote % above or below the CPWD-Schedule (DSR-2002).			
41.1		Rate for complete item.			
41.2		Rate for supply only.			
41.3		Rate for item excluding supply of materials.			

VOLUME-IIIB PRICE SCHEDULE, REV-2

Complete site grading & leveling, foundation work of boiler & ESP, drains etc for 2x500 MW unit # 1 & 2 at Mejia-B Thermal Power Station, West Bengal.

TENDER	NO -	PSER:SC	CT:MJA-C	725:07

PREAMBLE

- 1.0 This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with other volumes of tender as applicable.
- 2.0 The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
- 3.0 Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
- 4.0 Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.
- 5.0 The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains within thirty percent (± 30%) of the contract price.
- 6.0 The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing and leveling etc. including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same.
- 7.0 Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language.
- 8.0 All works item wise shall be measured upon completion and paid for at the rates quoted and accepted.
- 9.0 The tender shall be deemed to have studied the specifications, details of work to the done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
- 10.0 Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.

VOLUME-IIIB PRICE SCHEDULE, REV-2

Complete site grading & leveling, foundation work of boiler & ESP, drains etc for 2x500 MW unit # 1 & 2 at Mejia-B Thermal Power Station, West Bengal.

TENDER NO - PSER:SCT:MJA-C725:07.		
otion of item	Quantity	Price in percent
		(%) of total price
		for each item (in
		figures & words)
ork in stripping of top soil for an average depth of 0.20 mtr	480000 SOM	

SI no	ST	TENDER NO - PSER:SCT:MJA-C725:07. Description of item	Quantity	Price in percent	
	NO			(%) of total price for each item (in figures & words)	
1.0		Earth work in stripping of top soil for an average depth of 0.20 mtr below ground level so as to exclude all debris, grass, vegetation, bushes, trees including roots and organic materials etc for leveling and grading including dressing to specified levels & grades and compacting the graded/ stripped surface by manual or mechanical means, disposal of stripped materials within a lead of 1 km etc as per specification, drawing and as directed by the engineer.			
2.0		Earth work in excavation upto any depth in all types of soil and soft rock including ash, laterite, moorum, weathered rock, decomposed rock etc which can be excavated by means of crow bar, pick axe etc but does not require chiselling or blasting, for levelling and grading including dressing the sides, leveling to grade, ramming/ compacting the graded surface, stacking/ disposal of surplus excavated material within a lead of 1 km etc complete as per specification, drawings and as directed by the engineer.			
3.0		Earth work in excavation upto any depth in hard rock requiring blasting/ controlled blasting and/ or chiselling, wedging, line drilling, pre shearing or any other means without damaging the existing structures including supply, storage & handling of blasting materials etc, for levelling and grading including dressing the sides, leveling to grade, ramming/ compacting the graded surface, stacking/ disposal of surplus excavated material within a lead of 1 km etc complete as per specification, drawings and as directed by the engineer.			
4.1		Disposal of surplus excavated earth beyond an initial lead of 1km and upto a lead of 3 km including leveling the dumped soil, compaction etc all complete as per specification and as directed by the engineer.			
4.2		Disposal of surplus excavated earth beyond an initial lead of 1 km and upto a lead of 5 km including leveling the dumped soil, compaction etc all complete as per specification and as directed by engineer.	100000 CUM		
5.0		Earth work in filling for levelling and grading using selected excavated earth from compulsory excavations inside the project site on prepared surface obtained by compacting with mechanical means including setting out, filling in horizontal layers not exceeding 250 mm compacted thickness, spreading, sorting, breaking clods, watering, compaction with proper moisture content to achieve a minimum 95 % of maximum dry density (standard Proctor Density), dewatering (if required), testing, approaches, finishing to required lines, grades and slopes, levelling etc complete as per specification, drawing and as directed by the engineer.			

SI no	ST NO	Description of item	Quan	tity	Price in percent (%) of total price
	INO				for each item (in
					figures & words)
6.0		Earth work in filling for levelling and grading using borrowed good earth (borrowed good earth to be arranged by the contractor at his own cost) on prepared surface obtained by compacting with mechanical means including setting out, filling in horizontal layers	25000	CUM	
		not exceeding 250 mm compacted thickness, spreading, sorting, breaking clods, watering, compaction with proper moisture			
		content to achieve a minimum 95 % of maximum dry density (standard Proctor Density), dewatering (if required), testing,			
		approaches, finishing to required lines, grades and slopes, levelling etc complete as per specification, drawing and as directed by the engineer.			
7.0		Providing, stacking and laying 300 mm thick boulder pitching on the slopes of earth fill/cut with approved quality of rock fragments including materials, necessary excavations if any, compaction etc complete as per specification, drawing and as directed by the	9900	CUM	
		engineer.			
	100	EARTH WORK IN EXCAVATION, BACKFILLING AND DISPOSAL AS PER SPECIFICATION AND DRAWING FOR BOIER & ESP FOUNDATION, RETAINING WALLS ETC			
8.0	101	Earthwork in excavation including providing coffer dams, shoring, strutting, sheeting, bracing, draining and pumping out water other than water below ground water table, clearing all grass, vegetation etc., trimming of excavation bottom, staking, levelling, grading, lift of 2 m below ground level, lead of upto 100 m, loading, unloading etc. of excavated materials all complete as per specifications, drawings and instructions of the engineer in charge.			
8.1	i)	In all types of soils including expansive soil, ash, morrum, laterite.	22531	CUM	
8.2	ii)	In soft rock and weathered rock which can be excavated by means of crow bar, pick axe etc but does not require chiselling, chemical grouting and blasting.	21861	CUM	
8.3	iii)	In hard rock, by means of controlled blasting including provision of sensor to assess the impact of blast on the adjacent structures.	2257		
8.4	iv)	In hard rock (blasting prohibited) by means of chiselling, wedging etc.	544	CUM	
9.0	102	Extra over item 101 above, for all types of soil/ rock, for additional lifts beyond the initial lift of 2 m for the following etc all complete as per specifications, drawings and instructions of the engineer in charge (cost of excavation and lift down to 2 mtr depth below ground level shall not be included in this item).			
9.1	i)	Lift in all types of soils.			
9.1.1	а	Lift beyond 2 m and upto 4 m.	4719		
9.1.2	b	Lift beyond 4 m and upto 7 m.	274	CUM	
9.2	ii)	Lift in all types of rocks.			
9.2.1	a	Lift beyond 2 m and upto 4 m.	15597		
9.2.2	b	Lift beyond 4 m and upto 7 m.	7630		
9.2.3	С	Lift beyond 7 m and upto 10 m.	183	CUM	

SI no	ST NO	Description of item	·		Price in percent (%) of total price for each item (in figures & words)
10.0	103	Extra over item 101 above for excavation below ground water table including lowering of ground water table to maintain dry working conditions for all activities up to filling/testing, water proofing all complete as per specifications, drawings and instructions of the engineer.	33296	CUM	
11.0	104	Extra over item 101 above for carriage of all types of excavated materails beyond the initial lead of 100 m (initial lead, loading and unloading included in item 101 above) all complete as per specifications, drawings and instructions of the engineer for the following leads.			
11.1	i)	Carriage beyond initial lead of 100 m but not exceeding 500 m.	5599	CUM	
11.2	ii)	Carriage beyond 500 m and not exceeding 2 Km.	5599	CUM	
11.3	iii)	Carriage beyond 2 Km and not exceeding 5 Km.	1400	CUM	
11.4	iv)	Carriage beyond 5 Km and not exceeding 10 Km.	1400	CUM	
12.0	105	Filling using selected excavated materials in trenches, plinths, sides of foundations and other underground structures, pipes, area levelling etc in layers not exceeding 250 mm thickness including lead upto 100 m and all lifts and including loading from stock pile, carting, unloading, filling, watering and compacting/ramming each layer, all complete as per specifications, drawings and as directed by the engineer to achieve the following densities.			
12.1	i)	Ordinary manual compaction.	1511	CUM	
12.2	ii)	90% Standard Proctor density.	27199		
12.3	iii)	95% Standard Proctor density.	1511		
13.0	106	Filling using selected excavated materials directly from excavation area in trenches, plinths, sides of foundations and other underground structures, pipes, area levelling etc in layers not exceeding 250 mm thickness including all lifts, filling, watering and compacting/ ramming each layer, all complete as per specifications, drawings and as directed by the engineer to achieve the following densities.			
13.1	i)	Ordinary manual compaction.	130	CUM	
	ii)	90% Standard Proctor density.	2347		
13.3	iii)	95% Standard Proctor density.		CUM	
14.0	107	Filling using selected materials in trenches, plinths, sides of foundations, in the space below the grade level slab and other under ground structures, pipes etc in layers not exceeding 250 mm in thickness including all lifts and including excavating, loading, unloading, carting, filling, watering and compacting/ramming each layer, all complete as per specifications, drawings and as directed by engineer for the following works.	-		
14.1	i)	With selected soil brought from borrow areas arranged by contractor, including royalties, fees etc.for all leads and compacted to following densities.			
14.1.1	а	90% Standard Proctor density.		CUM	
14.1.2	b	95% Standard Proctor density.		CUM	
14.2	ii)	With selected sand brought from quarries/ river bed arranged by contractor, and compacting to 80% relative density etc for all leads.		CUM	

SI no	ST NO	Description of item	Quant	tity	Price in percent (%) of total price for each item (in figures & words)
	200	PROVIDING AND PLACING CONCRETE WORK INCLUDING COST OF LABOUR, MATERIALS AND EQUIPMENT FOR HANDLING, TRANSPORTATION, BATCHING, MIXING, PLACING, VIBRATING AND CURING (EXCLUDING COST OF CENTERING, SHUTTERING AND REINFORCEMENT) COMPLETE AS PER DRAWING AND SPECIFICATIONS UNLESS SPECIFIED OTHERWISE FOR THE FOLLOWING.			
15.0	201	Concrete of grade M7.5 as filling course at any level below finished floor level, under and around foundations/ floors, mass dumps etc with 40 mm nominal size graded aggregate.	222	CUM	
16.0	202	Concrete of grade M10 as lean concrete, levelling course, mud mat under and around foundations/ floors etc with 40 mm nominal size graded aggregate.	1115	CUM	
17.0	205	Concrete of grade M25 in underground structures like foundations, columns below finish floor level, plinth beams, slabon-grade, retaining walls, drains etc complete with 20 mm nominal size graded aggregate.	20526	CUM	
17A	205A	Providing (supply & application) anti termite treatment in underground structures like foundations, columns below finish floor level, plinth beams, slab-on-grade, retaining walls, drains etc complete as per IS 6313.	51315	SQM	
18.0	214	Dismantling concrete work for all types of structures at all levels including stacking of servicable material to a lead of 500 m and disposal of unservicable material upto a lead of 2 km, cutting of reinforcement, labour, equipment, safety precautions etc all complete as per drawings, specification and instructions of engineer in charge.			
18.1	i)	Plain cement concrete of all grades.	20	CUM	
18.2	ii)	Reinforced cement concrete of all grades.	50	CUM	
19.0	215	Chipping of concrete in reinforced concrete work, cutting pockets, making openings at all levels and according to shapes, disposal of waste materials upto a lead of 2 km as directed by engineer including equipment, safety precautions etc all complete	100	CUM	
20.0	300	Extra over and above ST NO 214 for cutting of reinforcement, all sizes and types including labour, equipment, return of cut reinforcement to store etc all complete as per specification, drawings and instructions of engineer in charge. SUPPLYING, FIXING AND REMOVING FORMWORK AT ANY ELEVATIONS FOR ALL STRUCTURES, AS PER	125	SQM	
21.0	301a	SPECIFICATIONS AND INCLUDING ALL LABOUR MATERIAL, Ordinary form work below finished ground floor level for foundations, footings, bases of columns, walls, columns, pilasters, beams, mass concrete, trenches etc.	20874	SQM	
22.0	301 b	Fairface form work below finished ground floor level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc for exposed concrete works.	2945	SQM	
23.0	306	Providing, fixing and removing formwork in block-outs/ pockets and openings (below 0.1 sqm contact surface area with concrete) at all elevations including cutting, formation of all shapes and all other operations required for making the required shape and size all complete as per specification, drawing and instruction of engineer in charge.			

SI no	ST	Description of item	Quantity	Price in percent
	NO			(%) of total price
				for each item (in
				figures & words)
23.1	i)	Upto 300 mm depth.	15 NO	

SI no	NO	Description of item	Quantity		Price in percent (%) of total price for each item (in figures & words)
23.2	ii)	From 301 mm upto 600 mm depth.	20		
23.3	iii)	From 601 mm upto 1000 mm depth	5	NO	
24.0	400	REINFORCEMENTS	0400	N 4 T	
24.0	700	Providing, straightening, cutting, bending, placing at any level, binding in position high yield strength steel reinforcements in concrete including cost of reinforcement and binding wire, labour etc complete all as per specifications & drawings. MS EMBEDMENTS	2102	IVI I	
25.0	701	Supply, fabricating and fixing of embedments, MS inserts, pipe sleeves, guide rails, angle pieces, rungs of various diameters, plates of dimensions as required including cost of all labour, materials and equipment, transportation, loading, unloading, handling, welding, cutting, drilling, scaffolding and setting complete as per specifications, drawings and as directed by Engineer (Including cost of all steel materials, to be supplied by	2	MT	
25A	702	Fixing of embedments, MS inserts, pipe sleeves, rails, guide rails angle pieces, anchor bolts of various diameters, plates of dimensions as required including cost of all labour, materials and equipment for fixing in position, scaffolding and setting in position, transportation from stores within the plant boundary to work spot, loading, unloading etc complete as per specifications and drawings. (Steel materials will be supplied by BHEL as per SCC).	118	MT	
	800	GROUTING AS PER SPECIFICATION FOR THE FOLLOWING.			
26.0	802	Providing & grouting of pocket holes, pipe sleeves of any shape and size under base plate after erection, and alignment if necessary, of heavy machinery at any elevations including roughening surface, cleaning, ramming, curing, etc with Conbextra GPX-2 of 'Fosroc' or equivalent all complete as per specifications (cost of all material and cleaning the pocket by compressed air shall be in the scope of the contractor).	4	CUM	
27.0	803a	Providing & grouting of pocket holes, pipe sleeves of any shape and size under base plate after erection, and alignment if necessary, of main structural steel work at any elevations	36	CUM	
28.0	803b	Providing and fixing weep holes consisting of 100 mm dia LDPE pipe sleeves (average length 1500 mm) along with single side covering for the pipe mouth with galvanised welded wire fabric of 20 mm sq opening along with 300x300 mm sq, 300 mm deep, 40 mm aggregates to cover fabric mesh mouth complete as directed by engineer in charge.	385		
29.0	1808	Laying of earthing mats/ rods including transportation from yard stores, loading, unloading, cutting to length, welding etc complete as per specification and as directed by engineer-in-charge.	35	MT	
30.0		Consolidation of sub-grade with road roller including making good the undulations etc with earth or quarry spoils etc and rerolling the subgrade to required levels and camber.	15000	SQM	
31.0		Supplying, stacking and laying moorum of approved quality at site including watering, ramming consolidating and dressing etc complete.	4500	CUM.	

SI no	ST NO	Description of item	Quantity	Price in percent (%) of total price
				for each item (in figures & words)
32.0		Transporation & laying 300 mm thick base/ sub base course in 2 layers of 150 mm thickness each with coal rejection boulder including screening, sorting, spreading to template and consolidation with road roller including carriage spreading and consolidation of blinding material moorum etc Including cost of material, labour, all complete.		
33.0		Providing, laying light duty non pressure NP3 class RCC pipes with collars jointed with stiff mixture of cement mortar 1:2 including testing of joints etc complete - 600mm dia, as per specification.	200 RM	
34.0		Providing, laying light duty non-pressure NP3 class RCC pipes with collars jointed with stiff mixture of cement mortar 1:2 including testing of joints etc complete - 900mm dia, as per specification.	150 RM	
35.0		Providing brick work in cement mortar 1:6 (1 part cement: 6 parts coarse sand) in walls, chambers etc of 254 mm & above in thickness at all elevation including raking out joints, curing, scaffolding etc all complete excluding plastering and painting, using bricks of class designation 5.0 or best locally available quality of nominal dimensions as per specification.	250 CUM	
36.0		Providing & laying water bound macadam base/ sub base course in layers of required thickness with stone aggregate 63 mm to 40 mm size, stone screening and blinding material including screening sorting, spreading to template and consolidation with road roller including carriage, spreading and consolidation of blinding material moorum etc Including cost of material labour etc all complete as per specification.	1500 CUM.	
37.0		Laying water bound macadam wearing course with stone aggregate 50 mm to 20 mm size stone screening and binding material including screening, sorting, spreading to template and consolidation with road roller including carriage spreading and consolidation of blinding material moorum etc Including cost of material labour etc all complete as per specification.		
38.0		Providing and laying soling with brick jhama of sizes of 50 mm to 100 mm, at all position and depths below or above finished ground floor level, below foundations, below flooring, below erection common roads, providing hard standing, and hard surfacing, etc in one or more layers each of approximately 75 mm thickness, hand packing, filling in interstices with quarry spalls and providing a layer of moorum/ sand over layer of soling to make the surface even including watering, thoroughly compacting each layer with 10 tonne power roller with minimum 6 passes (or with vibrating plate of approved capacity at places not approachable by power roller) all as per the direction of the engineer and as per specification.		

SI no	ST	Description of item	Quantity	Price in percent
	NO			(%) of total price
				for each item (in
				figures & words)
39.0		Providing & laying 25 mm thick premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of size 12.5 mm and 10 mm respectively per 100 sqm with hot bitumen @ 52 kg and 56 kg per cum of 12.5 mm & 10 mm size stone chippings respectively including a tack coat with hot bitumen @ 1.00 kg per sqm of road surface including consolidation with road roller etc, all complete, with bitumen heated and then mixed with solvent at the rate of 70 gms per kg of bitumen including cost of all material, labour all complete as per specification, drawings and instructions of the engineer.		
40.0		Providing mixing and laying of compacted 75 mm thk bituminous macadam course. Bitumen shall be of a suitable grade complying with IS-73 and aggregates and binder material as specified in specification all complete including hot mixing, hot laying rolling as per IRC specification all complete as per drawing, specification and as directed by engineer.		
TOTA	Ĺ		•	100%
41.0		For Item not covered above, quote % above or below the CPWD-Schedule (DSR-2002).	Quote ab	osolute values
41.1		Rate for complete item.		
41.2		Rate for supply only.		
41.3		Rate for item excluding supply of materials.		
NOTE			·	

Bidder to fill only percent against each items out of total (100%). These percents are to be worked out based on amount works out against each items with respect to total quoted amount.