



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT: KLN-C1827:TCN-01

Date: 11-04-2017

Sub	Tender Change Notice (TCN) - 01.	
Job	Construction of Temporary Roads & Drains at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bagerhat, Bangladesh.	
Ref	1.0	Tender no PSER:SCT:KLN-C1827:17.
	2.0	BHEL's NIT, vide reference no PSER:SCT: KLN-C1827:5634 Date: 10-04-2017.
	3.0	Other References, if any.

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

1. Revised BOQ cum price schedule format VOL-III- PRICE SCHEDULE, REV-01 superseding VOL-III PRICE SCHEDULE, REV-00 issued earlier along with NIT.
Bidders are requested to submit their offer as per revised BOQ/Price Schedule (Rev-01) only and quote their price accordingly. Offer from bidders in superseded price schedule (Vol-III, Price schedule- REV-00) shall not be considered. Bidders are also requested to submit a declaration in techno-commercial offer that they have submitted their price bid in sealed envelope as per REVISED price schedule format (VOL-III- PRICE SCHEDULE, REV-01).
2. Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
3. All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

Sr.Engineer (SCT)

Encl: As Above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

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VOLUME-III PRICE SCHEDULE, REV-01	
JOB: CONSTRUCTION OF TEMPORARY ROADS & DRAINS AT 2X660 MW MAITREE SUPER THERMAL POWER PROJECT, RAMPAL , BAGERHAT, BANGLADESH.	
TENDER NO - PSER:SCT:KLN-C1827:17.	
SL NO	PREAMBLE DESCRIPTION
1	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender and other tender sections as applicable and shall have precedence over any contrary statement mentioned any where in this document.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosed with the tender are only preliminary and for tender purposes and giving some idea of the work involved. The work is to be executed as per drawings & documents, which shall be furnished during execution.
3	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4	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, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, taxes(except service tax), 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 complete tender document and this schedule.
5	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 plus minus fifteen percent ($\pm 15\%$) of the awarded price as per LOI .
6	Prior written approval of BHEL shall be sought by the contractor in case quantity variation of any item crosses +50% (plus fifty percent) limit during execution and approval to be obtained before execution of further quantity for this item.
7	In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based contract, possibility of variation of quantity/ addition/deletion of items can not be ruled out. Under such circumstances, after execution of work, if it is observed that standing as L-1 is changed based on actual quantity executed, the bidder shall give suitable rebate to maintain your standing as L-1. Since this aspect can be assessed at the end of execution, necessary adjustment will be effected at the end of execution in final bill. This condition shall not be applicable where the tender is finalised through Reverse Auction.
8	BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against unit rate items and/ or other optional items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order.
9	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing , clearing of old structures 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. However, if separate rate for such item is available in the rate schedule, the same shall be considered.
10	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.
11	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted as per BHEL approved payment schedule/billing break-up.
12	The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
13	No splitting of the job is envisaged. Decision of BHEL in this regard shall be final and binding to the bidders.
14	Bidders are not allowed to alter the Price Schedule format including item description, quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them. BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/altered by them. Also putting any comments instead of rates/price in the designated column of the rate schedule shall make the offer liable for rejection.
15	Bidders to note that for Civil &/Structural packages, against a particular item against a ST No. appearing in more than one schedule of the BOQ, same rate must be quoted in all schedules for that particular items with same descriptions. If by error, different rates are quoted in different schedules for same ST No.(i.e. item with same description), then the higher of the rates shall be considered for evaluation but awarding shall be done with the lower rate ,if the bidder becomes L-1."
16	For Lumpsum Service Contract : The items/components indicated in the tender is indicative and may vary to any extent. No compensation shall be payable in case of any variation in the items/components listed in the bill of quantities if the executed weight remains within the variation limit. However, in case of deletion of any item or addition of new items over and above the items listed or variation of existing quantity beyond variation limit specified, adjustment (i.e. Payment or recovery as the case may be) shall be done on pro-rata basis based on the Rate per MT worked out from the quoted lump-sum Price and the total weight of components listed /indicated in price schedule plus 15% weight variation limit.
17	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.
18	In case of tender for Civil and/or Structural works, if the Non-schedule items are not quoted by the bidder, it will be treated at par with rate of corresponding item of BPWD schedule as prescribed in the tender/BOQ cum Rate Schedule.
19	No interest, whatsoever, shall be payable by BHEL on the security deposit, any bank guarantee submitted or any amount due to successful bidder/contractor.
20	Size and weights of various items are mentioned in the attached BOQ cum rate/price schedule for reference purpose only & these shall not be taken into consideration for quoting/calculating amount in the rate schedule. These shall be utilised as per relevant sections of tender. Bidders shall quote for each item in the rate column, taking unit as mentioned in the quantity column. Rates shall be filled in both figures and words. Amount shall be calculated based upon these rates multiplied by the mentioned quantity for the respective items.
21	Bidder's Total price will be considered for evaluation unless stated otherwise.
22	In case of BOP packages, if Bidder does not quote/indicate the price for freight charges against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoted price against each item keeping the total quoted price unaltered.

VOLUME-III PRICE SCHEDULE, REV-01		
JOB: CONSTRUCTION OF TEMPORARY ROADS & DRAINS AT 2X660 MW MAITREE SUPER THERMAL POWER PROJECT, RAMPAL , BAGERHAT, BANGLADESH		
TENDER NO - PSER:SCT:KLN-C1827:17.		
SCH-1 : TOTAL PRICE		
SL NO	DESCRIPTION	TOTAL PRICE (IN USD) (IN FIGURES AND WORDS)
1.0	TOTAL PRICE FOR CONSTRUCTION OF TEMPORARY ROADS & DRAINS AT 2X660 MW MAITREE SUPER THERMAL POWER PROJECT, RAMPAL ,BAGERHAT,BANGLADESH.	
2.0	NON-SCHEDULE ITEM Quote % above or % below or at par for items not covered as above of this schedule. The rate shall be derived from Schedule of Rates 2014, PWD, Govt. of Bangladesh	
1a)	Rate of complete item	_____ % above/ _____ % below/At par BPWD Rate Schedule 2014
1b)	Rate of supply of material at site only	_____ % above/ _____ % below/At par BPWD Rate Schedule 2014
1c)	Rate for execution complete excluding supply of materials.	_____ % above/ _____ % below/At par BPWD Rate Schedule 2014
NOTE		
1.0	Bidder shall quote total price for total price of SCH-1- Part only at sl no 1.0 above. All other amounts/ rates of each item of works in respective schedules/ parts will be derived based on allocated percentages. As such, any uncalled figure/ amount noted at any other place/ schedule of Volume-III will not be recknoed & will stand null & void.	
2.0	Bidder to note that total price at sl no 1.0 above shall be considered for evaluation & awarding. As such total price should be complete in all respect for the full scope defined and considering all terms and conditions.	
3.0	Bidder's quoted total price of SCH-1at Sl. no 1.0 above shall be apportioned into amount of various items of works based on allocated percentages against respective item of SCH-2. As such, bidder shall not indicate/ quote any amount/ rate in this schedule/ part and any amount/ rate quoted against any item shall not be taken into cognizance/ account and offer may be liable for rejection.	
4.0	Based on the itemwise percentage allocations, the amount for the individual items of the Bill of Quantity shall be arrived at. The rates of individual items shall be derived from the amount against each items after rounding off .	
5.0	Unit rates of each item of works of respective schedules/ parts will be derived by dividing derived amount by corresponding quantities. In deriving the unit rates of each item in this manner, figures only upto 2 decimal places will be taken into account. Any adjustment, if required, due to such methodology, will be effected in final bill.	
6.0	Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived at as per Sl No.5 above.	
7.0	Any item as per scope of work, if not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.	
8.0	Price format shall not be changed by bidder in any case and it may lead to cancellation of their offer.	
9.0	The quantity of items may vary during execution mainly due to actual requirement etc. The unit rates work out from the overall amount quoted & accepted by BHEL shall be considered and no separate unit rates shall be allowed. Unit rates shall be valid throughout the contract period.	
10.0	For payment of non schedule items, the rate shall be derived from Schedule of Rates 2014, PWD, Govt. of Bangladesh.	

VOLUME-III PRICE SCHEDULE, REV-01				
JOB: CONSTRUCTION OF TEMPORARY ROADS & DRAINS AT 2X660 MW MAITREE SUPER THERMAL POWER PROJECT, RAMPAL, BAGERHAT, BANGLADESH.				
TENDER NO - PSER:SCT:KLN-C1827:17.				
SCH-2 : TOTAL PRICE BREAK UP				
ST. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	ALLOTTED PERCENTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 5 decimal points) W.R.T THE TOTAL PRICE OF SCH-1
1	Earth work in box cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	SQM	21900	2.181000%
2	Providing Single layer brick flat soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.50, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in- charge.	SQM	21900	18.192000%
3	Providing compacted aggregate sand sub-base course with 38mm down Crusher(WBM) run 1st class bricks/picked chips of LAA value not exceeding 40 & sand of minimum FM 0.80 mixed in proportion 1:1 by volume placed in layer(s), mixing properly, watering, compacting with 8-10 tonne road roller to give compaction to 98% of MDD (modified) including supplying of all materials, labourers, tools and equipment etc. all complete as per direction of the E-I-C. Minimum CBR requirement for sub-base course is 32%.	CUM	3285	21.869000%
4	Providing compacted brick aggregate base course(WBM), including supplying, spreading and compacting 50mm down graded crusher run 1st class and Picked brick chips (LAA value not exceeding 40%) including supplying of required amount of 12mm down graded chips made of same quality bricks, including spreading uniformly in layers of specified loose thickness on road surface maintaining grade, camber and super elevation including local handling, hand packing, booming, watering, dry rolling followed by wet rolling in layers with 8-10 tonne road roller to achieve soaked CBR not less than 80% at a degree of compaction to minimum 98% (Modified Proctor) blinding with choking material as filter material @0.018cum/sqm including cost of materials, labours etc. all complete as per direction of the E-I-C. After adequate dry rolling spreading choking material on the surface, sprinkling water and rolling is to be continued until all the voids are filled, wave of grout/slurry flushes ahead of the roller. Thickness of each layer should not be more than 100mm loose and measurement for Payment will be made on compacted thickness.	CUM	2190	22.613000%
5	Earth filling in foundation trenches and plinth in 150mm layers with carted earth carried by truck or any other means loading and unloading at both ends including levelling , watering and compacting to achieve minimum dry density of 90% with OPC (modified factor) including local carriage each layer up to finished level including cost of water and test(carried from beyond 300 m) etc. all complete and accepted by the Engineer	CUM	1186	1.068000%
6	Earthwork in excavation of canals/Khals, ponds, drains etc. by excavating earth to the lines, grades and elevation as shown in the drawings, filling baskets, carrying & disposing of all excavated materials at a safe distance designated by the Engineer-in-Charge in all types of soils except rocky, gravelly, slushy or organic soil, levelling, dressing etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m including arranging for & supplying all necessary tools & equipment at work site etc., all complete as per direction of the Engineer-in-Charge.	CUM	7560	2.479000%
7	Filling with soil, sand in trenches, plinth, sides of underground structures, pipes, area levelling within a lead of 90 m, in layers not exceeding 150 mm available to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) including carrying watering, levelling, dressing and compacting to a specified percentage each layer up to finished level etc. all complete and accepted by the Engineer.	CUM	1800	0.562000%
8	Plane cement concrete (1:3:6) with cement, brick chips (20mm downgraded) and sand (F.M. 1.2) at any level below foundations, drain, septic tank, floors, hume pipes, including cost of all materials, T&P, labour etc all complete and accepted by the Engineer.	CUM	338	5.845000%
9	75 mm brick work for drain with first class bricks in cement sand (F.M. 1.2) mortar (1:6) making bond with connected walls including necessary scaffolding, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand curing at least for 7 days, including providing and fixing weep holes at 2 Mtr c/c distance in staggered manner, consisting of 60 mm dia uPVC pipe sleeves along with single side covering the pipe mouth with Nylon Mesh Fabric, including cost of all materials, T&P, labour etc all complete and accepted by the Engineer.	SQM	9000	14.280000%
10	Brick work with first class bricks in cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, pier, abutment, wing wall, water tank, septic tank, drains, culvert filling the joints/interstices fully with mortar racking out the joints cleaning and soaking the bricks at least 24 hours before use and curing at least 7 days etc. all complete including all materials, labours, scaffolding and other incidental etc. and accepted by Engineer.	CUM	90	1.312000%
11	Supplying, fitting and fixing best quality machine made RCC Pipe over 100 mm thick cement concrete (1:3:6) at base and sides including single brick flat soling and gasket with cement mortar (1:4) joints, cutting and filling trenches up to required depth including excavation of soil etc. all complete in all respect as per type plan and accepted by the Engineer(average depth of trench is 3'-6".(Cement:CEM-II/A-M)			0.000000%
a	225mm dia(internal)	RM	80	0.199000%
b	300mm dia(internal)	RM	80	0.260000%
12	Labour for filling empty gunny bags (75kg capacity) with caked cement/brick bats/earth/sand(F.M. 0.5 to 1.0) including supply of gunny bags, filling with material, sewing the mouth of bags with coir string and dumping the same in position, struts etc. all complete as per direction of the Engineer in charge.	BAG	12600	1.887000%

VOLUME-III				
PRICE SCHEDULE, REV-01				
JOB: CONSTRUCTION OF TEMPORARY ROADS & DRAINS AT 2X660 MW MAITREE SUPER THERMAL POWER PROJECT, RAMPAL , BAGERHAT, BANGLADESH.				
TENDER NO - PSER:SCT:KLN-C1827:17.				
SCH-2 : TOTAL PRICE BREAK UP				
ST. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	ALLOTTED PERCENTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 5 decimal points) W.R.T THE TOTAL PRICE OF SCH-1
13	Geo-Textile: Supplying and laying of a geo-textile filter (Grade-I.Filter Thickness under pressure 2kpa (minimum)=1.5mm, Mass (minimum) =170 gm/m2,) between CC blocks and embankment slopes properly with non-woven needle punched type geo-textile filter of different grades, specification for effective erosion protection in hydraulic structures/river training works including local handling placing in position, providing machine seamed joints (with 100% polypropylene or nylon thread) or 35cm lap in dry condition or minimum 100cm lap under water including protecting the geo-textile material; from UV ray and from any other damages etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. (Geo-textile delivered at site should be clearly labeled with brand name and grade printed at regular intervals across the body of the fabric),	SQM	5760	1.953000%
14	Supplying and placing of Single layers of gunny bagged Riprap filled with cement (conforming to BDS EN 197-1 : 2003 CEM-II/A-M 42.5N) and Sand (minimum FM 1.00) mortar (1:8) along slopes of abutments, piers, banks of river/ khal including washing of sand, mixing in standard mixture machine, filled & tamping the bags in place, stitching bags by hand sewing machine, curing by sprinkling water over the bags including preparation of slope (bed) by cutting or filling with ramming the filled up earth to the same profile as that of the finished slope level, placing the filled gunny bags along the slope, etc. all complete in all respect as per approved design, specification and direction of the E-I-C. Rate is inclusive of cost of all materials, labour and all incidental charges in this connection.	SQM	3600	5.258000%
15	Supplying, sizing,placing & driving in position of 75mm to 100mm dia Borak bamboo post complete as direction of the Engineer in charge.	RM	200	0.042000%
	TOTAL ALLOCATION PERCENTAGE			100.00%

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 Deviation Certificate.	
Job	Construction of Temporary Roads & Drains at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bagerhat, Bangladesh.	
Ref	1.0	Tender no PSER:SCT: KLN-C1827:17
	2.0	BHEL's NIT, vide reference no PSER:SCT:KLN-C1827:5634 Date: 10-04-2017.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:KLN-C1827:TCN-01 Date: 11-04-2017.
	4.0	All other pertinent issues till date.

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/ issued by you and in case of such 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. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

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 in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

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

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

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