



భారత్ హెవీ ఎలక్ట్రికల్స్ లిమిటెడ్
भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

Site office, 5 X 800 MW Yadadri Thermal Power Project
Dhamaracharla (M), Nalgonda(Dist), Telangana 508355

Ref: YTPS: SCT: 202302-152:Corrigendum.

Date: 09.03.2023

To,

All Bidders

Sub: **Corrigendum-1:**

Job: YTPS:SCT:202302:152-Balance Civil and architectural works of super-structure of power house, Common Control Room, Charger Room of main plant of Unit-1-reg

Tender Specification No. - YTPS: SCT: 202302-152 & Date - 03.03.2023

Bidders to kindly take note of following:

A. WEIGHTAGE SCHEDULE - VOLUME-IIA -Price bid may be read as per attachment in next pages.

All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing.

Bidders are requested to submit as a part of Technical Bid, a copy of this corrigendum duly countersigned by the authorized signatory and stamped with the Official seal as a token of Bidder's unqualified acceptance of this corrigendum.

Thanking You,

For and on behalf of
Bharat Heavy Electricals Limited

D. Sandeep Kumar
Sandeep Kumar 09/03/2023

Manager / Purchase & SCT

SANDEEP KUMAR
Manager / SCT & PUR
BHEL-PSSR-5X800MW YADADRI TPP
VEERLAPALEM, DAMARCHERLA,
Nalgonda Dist. Telangana-508 355.

Bharat Heavy Electricals Limited Power Sector - Southern Region							
Project - 5x800 MW Yadadri TPS							
Volume-II							
Price bid (Revised Weightage)							
Enquiry No. - YTPS: SCT: 202302-152							
Job:Civil works-Super structure& architecture works for Power house CCR-1 and Charger Room at 5 X 800 MW Yadadri TPS							
	Bidder's Name						
	Ref.No.	Description	Unit	Qty.	Rate	Amount	Weightage
	212.0	Screed concrete conforming to IS 456 with coarse sand and graded hard stone aggregate 12.5mm/6 mm nominal size on the roof at any level or thickness, drains etc complete as per following.	--				
	a	1:2:4 (1 part cement, 2 part sand, 4 parts of aggregate by volume)	CUM	75.0000	0	0	0.012965799
	215.0	Dismantling concrete work for all types of structures at all levels including stacking of serviceable material to a lead of 500 m and disposal of unserviceable 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.	--				0.000000000
	b	Reinforced cement concrete of all grades	CUM	2.0000	0	0	0.000146388
	216.0	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, making good the broken surface etc all complete as per specification, drawing, instructions of engineer in charge but excluding cutting of reinforcement .	CUDM	1500.0000	0	0	0.003189272
	217.0	Extra over and above ST No 216 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. Measurement shall be on the cross sectional area of reinforcement cut.	SQCM	1000.0000	0	0	0.000230038
	218.0	Cutting Reinforced concrete with mechanised tools like Core drilling machine etc. for cutting pockets, holes, cores in slab, beam, column or foundation as per direction of engineer in charge.	CUDM	50.0000	0	0	0.000355514
	223.0	Cutting of existing concrete/ RCC slab (total thickness upto 250mm including floor finish & deck sheet if any) inside control room/ pump house or anywhere inside boundary using power tools of (DD2E of HILTI/ BOSCH make or equivalent) with low noise and dust including cutting reinforcements, removing the rubbish within a lead of 1 km, including making good the broken edges/ surface with cement mortar, painting, finishing to match with existing finishing, scaffolding/ supporting at all level, all complete and as directed by Engineer (measurements shall be taken as per cutting surface area).	SQM	10.0000	0	0	0.000766795

	Ref.No.	Description	Unit	Qty.	Rate	Amount	Weightage
	302.0	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, etc. including chamfering of edges as per drawing.for all heights as per specification, drawing and instruction of engineer in charge.	SQM	75.0000	0	0	0.001908277
	A904	Providing and fixing single or double leaf steel door shutters. Door leaf should be 46 mm thick fully flush double skin door with or without vision lite. Door leaf shall be manufactured from 0.8mm (22 gauge) minimum thick galvanised steel sheet rigidly connected and reinforced inside with continuous vertical 20 gauge stiffeners, spot welded in position at not more than 150mm on centres including void filled with mineral wool (density as per specification), all fittings, Godrej or equivalent make mortice lock with handle on both sides, aldrop, tower bolt, shop and final painting etc all complete.	SQM	16.0000	0	0	0.005390424
	A905	Providing and fixing sliding door shutters (single or double) with 18 gauge M.S. sheets shutter presenting a flush surface on the outside and inside stiffened with semitubular edge and central stiffening rail which shall convey the lock including fixtures, handle on both sides, guide channels & sliding arrangement, shop and final painting etc all complete.	SQM	3.0000	0	0	0.001235097
	A907	Providing and fixing fire proof steel doors (single or double shutter) with panic devices and vision panel shall be 46mm thk flush design comprising of two outer sheets of 1.2 mm (18 gauge) minimum thick galvanised steel sheet rigidly connected and reinforced inside with continuous vertical 20 gauge stiffeners, spot welded in position at not more than 150mm on centers including all fittings, shop & finish painting with approved post office/signal red color fire resistant paint and mineral wool insulation (64 kg/cum density), vision lite etc. complete and shall be fire proof as per IS:3614, TAC requirements and as per specification. Minimum ratings shall be 2 Hrs.	SQM	3.0000	0	0	0.001878994

	Ref.No.	Description	Unit	Qty.	Rate	Amount	Weightage
	A909	Providing and fixing anodised aluminium work of Jindal, Hindalco or other equivalent approved make for door/window frames, door/window shutters, ventilators, partitions, railing etc. with extruded standard tubular and other sections including all fittings & fixtures and accessories of approved make conforming to IS733 and IS1285, anodised and electro color dyed to required shade according to IS 1868 (minimum anodic coating of grade AC15), fixed with rawl plugs, expansion fasteners, SS screws or with fixing clips, including necessary filling of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt for bi-mettalic protection etc.including preperation of working drawings, aluminium cleat angle, aluminium snap-on-beading for glazing/panelling, stair case tread nosing, with all fittings and fixtures (like tower bolts, handles, door stopper with rubber shoes, 'L' drops, stays, floor springs, hydraulic door closures etc. as applicable), CP brass/stainless steel screws, providing and fixing hinges/pivots, and making provision for fixing of fitting wherever required including cost of PVC/neoprene gasket, all complete as per drawing, <u>specification and instructions of engineer in charge (Glazing</u>	Kg	5757.8605	0	0	0.108370496
	A910	Providing and fixing of aluminium composite panel(ACP) of following thickness with PVDF or polyester coating for interior partition, encasing of columns & bracings, exterior facade works of approved shade', color and inclusive of sub-base frame work (if necessary), sealant etc all complete as per specification.	--				0.000000000
	a	3mm thick with minimum 0.2mm topping of precoated aluminium foil on both side.	SQM	1088.4280	0	0	0.126100521
	911.0	Providing and fixing of door closers as per specification,of approved make & quality all complete of following type:	--				0.000000000
	a	Over head hydraulic door closures as per IS 3564	EACH	10.0000	0	0	0.000749366
	A912	Providing and fixing pressed steel door frames. Door frame shall be Single rebate profile of size 100 x 57 mm made out of 1.20 mm thick galvanised steel sheet (18 gauge) reinforced, drilled and tapped for hinges and locks bolts strikes, hold fasts adjustable floor anchors, floor tiles/weather bars, paintings etc all complete as per specifications.	Kg	66.0000	0	0	0.000386464
	B912	Providing and fixing pressed steel door frames for fire proof doors. Door frame shall be double rebate profile of size 143 x 57 mm made out of 1.60 mm (16 gauge) minimum thick galvanized steel sheet reinforced, drilled and tapped for hinges and locks bolts strikes, hold fasts adjustable floor anchors, floor tiles/weather bars, paintings etc all complete as per specifications.	Kg	16.5000	0	0	0.000105243
	915.0	Providing, fixing and fitting of glazing of first grade class in steel/aluminium/wooden frames, where ever required, cleaning after fixing including hardware, gaskets, clips, beadings etc. all complete.	--				0.000000000
	g	6 mm thick tinted heat reflecting type float glass	SQM	10.0000	0	0	0.000742396
	h	6 mm thick clear toughened safety glass	SQM	705.8010	0	0	0.052299951
	A915m	6 mm thick clear float glass	SQM	50.0000	0	0	0.002746521

	Ref.No.	Description	Unit	Qty.	Rate	Amount	Weightage
	A915n	One outer 6mm thick tinted heat-reflecting type float glass and one inner 6mm thick toughened float glass hermetically sealed and seperated by 12 mm thick gap for thermal insulation (only single elevation area to be measured).	SQM	203.5500	0	0	0.028300303
	A921	Supplying, installing and commissioning of self sliding mechanism for aluminum door (double shutter) & air curtain including photo operated sensors, fittings, motors, mechnical systems, electrical systems,warranty all inclusive in working condition as per specifications and drawings (aluminum door shutter and its glazing to be paid under separate items)	EACH	4.0000	0	0	0.025792170
	A923	Providing and fixing 12 mm thick bison Cementitious board Partition wall with GI Framework and 12 mm thick bison board cladding on either side of GI section (50x38mm) in horizontal & vertical framework 600 mm c/c spacing as required for suitable rigidity & fixed from floor to ceiling of above false ceiling partition walls as reqd.	SQM	1409.7045	0	0	0.107211011
	1002.0	Providing brick work in cement mortar 1:6 (1 cement : 6 coarse sand) in walls, chambers etc. in thickness 230mm at all heights, places and position above plinth including raking out joints, curing, scaffolding etc complete excluding plastering and painting.	--				0.000000000
	a	Using fly ash lime bricks confirming to IS 12894 with crushing strength of 75 kg/cm2(including cost of cement for brick making)	CUM	25.0000	0	0	0.005384987
	1005.0	Breaking of existing brick work at all levels including plastering, removing the rubbish up to a distance of 500 m including transportation, loading, unloading etc. all complete as directed by the engineer.	CUM	5.0000	0	0	0.000254436
	1008.0	Making openings in existing brick wall or partition wall including making good the broken edges/surface with cement mortar 1:6 etc. complete.	CUM	5.0000	0	0	0.000324145
	A1202	Providing 12mm thick plaster inside the building/boundary wall in cement mortar 1:4 on walls finished to a smooth finish as per specification all complete.	SQM	2173.9700	0	0	0.023186283
	1305.0	Providing and applying two or more coats of acrylic emulsion paint as per IS 5411 of approved brand, shade and manufacture to give smooth, hard, durable & glossy finish over a coat of primer over prepared plaster surface as per manufacturer's guideline.(Cost of primer is included in this item and wall putty is payable under separate item).	SQM	1447.3170	0	0	0.011501505
	A1317	Providing and applying 3 mm thick white cement putty punning on walls and ceiling (Birla White/ JK White or Similar approved) including preparation of surface, staging, etc. to achieve a smooth even surface all complete as per specification and as directed by Engineer.	SQM	1395.3834	0	0	0.020718548

	Ref.No.	Description	Unit	Qty.	Rate	Amount	Weightage
	A1418	Providing and laying non-skid, full body vitrified, 10 mm thick non-porous, homogenous, abrasion resistant, floor tiles of 1st quality dual charged similar to MARBONITE, FERRASTONE of BOSS Profile Ltd, RESTILE, ENDURA of H & R Jonson (India) Pvt. Ltd of size minimum 600 mm x 600 mm of approved colour in flooring and shall be laid over minimum 30mm thick underbed of 1 part cement and 3 parts coarse sand by weight mixed with sufficient water, complete as per specification.	--				0.000000000
	b	600X600 mm	SQM	2402.7099	0	0	0.121430029
	B1418	Providing and laying non-skid, full body vitrified, 10 mm thick non-porous, homogenous, abrasion resistant, floor tiles of 1st quality dual charged similar to MARBONITE, FERRASTONE of BOSS Profile Ltd, RESTILE, ENDURA of H & R Jonson (India) Pvt. Ltd of approved colour in skirting and shall be laid over cement mortar of 1 part cement and 3 parts coarse sand by weight mixed with sufficient water, complete as per specification.	SQM	17.5527	0	0	0.001192984
	D1418	Providing and laying vitrified tiles of 1st quality, full body vitrified, 10 mm thick nonporous, homogenous, abrasion resistant cover base of matching colour, internal and external corner strip similar to MARBONITE, FERRASTONE of BOSS Profile Ltd, RESTILE, ENDURA of H & R Jonson (India) Pvt. Ltd of approved size & colour in skirting and shall be laid over cement mortar of 1 part cement and 3 parts coarse sand by weight mixed with sufficient water, complete as per specification.	SQM	195.9370	0	0	0.013419464
	1511.0	Providing and fixing insulation of resin bonded mineral wool of 50 mm nominal thickness conforming to IS 8183 having a density of 32 kg/cum glass wool or 48 kg/cum for rock wool, for cladding/under deck insulation including application of glue and tying with lacing wire, for glass/rock wool as per manufacturer's recommendations.	--				0.000000000
	b	For underdeck insulation below RCC slabs	SQM	2757.5449	0	0	0.069200821
	A1603	Providing and fixing permanently colour coated aluminium false ceiling of approved colour and Luxalon 84 C or approved equivalent with corrosion resistant aluminium alloy panels of minimum thickness 0.5mm including 25mm thick mineral wool insulation(density 48 kg/cum) conforming to IS:8183 bound in polythene bags on top of panels. Additional hangers and height adjustment clips shall be provided for return air grills, light fixtures, A.C. ducts etc all complete. Suitable M.S. channel grid with minimum MC 75 shall also be provided above the false ceiling level for movement of personnel to facilitate maintenance of lighting fixtures, AC ducts etc. (Materials for structural platform grid made up of MS Channels/ Beams / Angles shall be supplied by BHEL and shall be paid under ST No 2301)	SQM	1803.6659	0	0	0.162192946

	Ref.No.	Description	Unit	Qty.	Rate	Amount	Weightage
	A1604	Providing, fixing and laying acoustic permanently colour coated plain/perforated aluminium false ceiling of approved colour with stove enamel finish of approved make of either lineal panel system or aluminium tile/plank system with corrosion resistance aluminium alloys panels of minimum thickness 0.5mm including 25mm thick mineral wool insulation (as per IS:8183) bound in polythene bags on top of panels. Additional hangers and height adjustment clips shall be provided for return air grills, light fixtures. A.C. ducts etc. suitable M.S. channel (minimum MC 75) grid 1200 c/c maximum shall also be provided above the false ceiling level for movement of personnel to facilitate maintenance of lighting fixtures, AC ducts etc.The work to be complete as per specifications, drawings and direction of engineer.(Materials for structural platform grid for movement made up of MS Channels/ Beams / Angles shall be supplied by BHEL and shall be paid under ST No A2301)	SQM	475.6860	0	0	0.057863168
	A1608	Providing and Fixing CALCIUM Silicate Board/Tiles in false ceiling of HILUX or AEROLITE or equivalent consisting of metal supporting grid system forming panels of specified size, suspended from RCC slab/structural steel with 4 mm (minimum) galvanised wires (rods) with special height adjustment clips, including preperation of working drawing, providing openings for AC ducts, return air grills, light fixtures etc all complete as per drawings, specification and instructions of the engineer.	SQM	472.2590	0	0	0.032459644
							1.000000000
		Total Price (In Rs.)					
		Total Price (In Words)					
	Note: (1) The above Quoted Price shall be excluding of GST, as applicable. The same shall be paid at actual. (2) Bidders to quote their most competitive price in Blue Colour Cell.(overall price in Total Price) (3) Kindly submit this price bid with signature and sealed of authorized signatory preferebly in pdf format. (4) Evaluation shall be done on overall L1 basis, Item was rate shall be back calculated as per the weightage provided.						