

4 X 270 MW BHADRADRI TPS (FGD)
BOQ-cum-PRICE SCHEDULE FOR 220V DC BATTERY (LEAD -ACID PLANTE)

Sr. No.	Item code	Item Description	Unit	Quantity	HSN CODE	INDIAN BIDDERS										FOREIGN BIDDERS		
						Unit Ex-works Price (Duly packed) (INR)	Total Ex-works Price (Duly packed) (INR)	% of Freight with respect to Total Ex-works price	Frieght amount in INR	Total price (Ex-works + freight) (INR)	Type of GST applicable (IGST/CGST + SGST/UTGST)	GST rate in % on (Total Ex-Works+Freight)	Total GST amount in INR	Total FOR site Price (INR)	CURRENCY	Unit C&F price on Chennai sea port	Total C&F price on Chennai sea port	
(A)	MAIN ITEMS																	
1.0	508-11013-A	220V BATTERY 1	Sets	2	8507													
		Break up detail																
		220V DC, AH capacity to be decided by bidder as per Annexure-III of Section-C, 1.85 ECV, 108 cells, Lead-Acid plante High discharge type battery with all accessories listed as 1.1 below.	Sets	2	8507													
		Electrolyte (sulphuric acid for first filling plus10% extra)	Sets	2	2807													
		Wooden/Steel battery racks with 3 coats of anti elctrolyte resistant paints for 220V DC Battery	Sets	2	8507													
		Stand insulators plus 5% extra	lot	2	8507													
		Cell interconnectors with 5% extra and end take-off with one no. extra	lot	2	8507													
		Lead coated connection hardware plus 5% extra	lot	2	8507													
		Cell numbering tags with fixing arrangement (1set)	lot	2	8507													
		Teakwood Cable clamps with hardware	lot	2	8507													
1.1		LIST OF ACCESSORIES (for each set of battery)		2														
a		Hydrometer	Nos	1	8507													
b		Set of hydrometer syringes (suitable for the vent holes in different cells for specific gravity reading)	SET	1	8507													
c		pocket Thermometer for measuring electrolyte temperature	Nos	3	8507													
d		Specific gravity correction chart	Nos	2	8507													
e		Wall mounting type holder for hydrometer and thermometer	Nos	2	8507													
f		Cell testing digital voltmeter (3-0-3V) with testing leads	Nos	2	8507													
g		Rubber apron	Nos	2	8507													
h		Pair of rubber hand gloves	PAIR	2	8507													
i		Set of insulated spanners	SET	2	8507													
j		`No smoking' notice	Nos	2	8507													
k		Goggles (industrial)	Nos	2	8507													
l		Instruction card	Nos	10	8507													
m		Minimum and maximum temperature indicator for Battery Room	Nos	1	8507													
n		Acid/alkali mixing jar and funnels	Nos	2	8507													
o		Battery Log Book	Nos	1	8507													
p		Self adhesive PVC stickers for cell numberings	Nos	10	8507													
q		Cell lifting straps	Nos	2	8507													
r		Hot air gun	Nos	1	8507													
s		Battery trolley with Nylon wheels	Nos	1	8507													
3.0	508-11007-A	E & C SPARES																
a		GLOVES	SET	1	8507													
b		VENT PLUGS	NOS	10	8507													
c		Intercell connectors	NOS	10	8507													
4.0	508-11000-B	MANDATORY SPARES																
		Complete dry cell	NOS.	4% or 4 Nos. whichever is more for each battery set	8507													
		Intercell connectors with hardware	NOS.	20% or 10 nos. whichever is more for total pupulation of 2 sets of battery	8507													
		Vent plug	NOS.	20% or 10 nos. whichever is more for total pupulation of 2 sets of battery	8507													
		Acid level indicating float (for opaque containers only)	NOS.	20% or 10 nos. whichever is more for total pupulation of 2 sets of battery	8507													
		Stand insulator	NOS.	20% or 10 nos. whichever is more for total pupulation of 2 sets of battery	8507													
		Cell insulator	NOS.	20% or 10 nos. whichever is more for total pupulation of 2 sets of battery	8507													
	Note:	Detailed list of Mandatory spares (for meeting the above requirement) shall be submitted by vendor after award of contract. This list shall be subjected to approval of BHEL/ Customer without any price implication to BHEL.																

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5.0	508-11029-A	TYPE TEST	Lot	1				Type test on Two cells of Battery									
5.1		Test for capacity & test for voltage during discharge	Lot	1	9987												
5.2		Ampere hour & watt hour efficiency test	Lot	1	9987												
6.0	508-11025-A	SUPV.OF E&C															
	(i)	SUPV.OF E&C OF 220V DC Battery															
		LUMP SUM CHARGES PER VISIT FOR ENGINEER (EXCEPT DAILY CHARGES)		1 VISITS	9987												
		LUMP SUM DAILY CHARGES FOR ENGINEER		6 DAYS	9987												

Note: 1) Cable Lugs at battery terminals shall be in bidder's scope & cable sizes shall be informed during detailed engineering.
2) AMOUNT PAYABLE FOR ENGINEER PER VISIT TO SITE = VISIT CHARGES AS PER SL. NO. 1 ABOVE + (DAILY CHARGES AS PER SL. NO. 2 ABOVE X NO. OF DAYS AT SITE) (TO BE CERTIFIED BY BHEL SITE).