

ANNEXURE-I												
2 X 600 MW SINGARENI TPP, ADILABAD PROJECT												
SCHEDULE OF PRICE FOR 220V DC BATTERY (LEAD ACID)												
SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX WORKS PRICE (DULY PACKED) (₹)	TOTAL EX WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % Against Form 'C' /EI/II (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	SERVICE TAX @ % (₹)	TOTAL F.O.R SITE PRICE (₹)	FOR FOREIGN BIDDERS	
											UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)
1	2	3	4	5	6	7	8	9	10	11	12	13
	SUPPLY OF 220V DC BATTERY (LEAD ACID)											
A.0	TOTAL PRICE FOR DESIGN, ENGINEERING, MANUFACTURING, INSPECTION AND TESTING AT MANUFACTURER'S/ SUB-VENDOR'S WORKS, PAINTING, PROPER PACKING FOR TRANSPORTATION AND SUPPLY/DELIVERY ON FOR SITE BASIS TO PROJECT SITE ON FREIGHT PRE-PAID BASIS/ FOB BASIS OF LEAD-ACID BATTERY PLANTS, 220V BATTERY (107 CELLS, 220V LEAD ACID, 1.86 ECV SUITABLE AS PER LOAD DUTY CYCLE (ANNEXURE-III) WITH ALL ACCESSORIES & TEAKWOOD RACKS WITH 3 COATS OF ANTI ACID PAINTS. (FOR EACH BATTERY SET) AND ALL ACCESSORIES INCLUDING COMMISSIONING SPARES, MANDATORY SPARES AS SPECIFIED AND NECESSARY AS PER TECHNICAL SPECIFICATION NO. PE-TS-381-508-E001, R0 & SUBSEQUENT MOMs AND INCLUDING ALL TAXES & DUTIES	Sets	4									
	BREAK UP OF PRICE MENTIONED AT A.0											
	MAIN SUPPLY											
A.1	220V . Lead acid plant battery suitable as per Annexure-III (Load duty cycle) (1 set comprises 107 nos cell)	Sets	4									
A.2	Teakwood racks with 3 coats of anti acid paints for 220V DC Battery	Sets	4									
A.3	Intercell connectors	Sets	4									
A.4	Electrolyte (sulphuric acid for first filling plus 10% extra )	Sets	4									
A.5	LIST OF ACCESSORIES (for each set of battery)											
A.5.1	Hydrometer	Nos	2									
A.5.2	Set of hydrometer syringes (suitable for the vent holes in different cells)	Nos	2									
A.5.3	Thermometer with specific gravity correction scale (for measuring electrolyte temperature)	Nos	5									
A.5.4	Specific gravity correction chart	Nos	2									
A.5.5	Wall mounting type holder made of teak wood for hydrometer and thermometer	Nos	2									
A.5.6	Cell testing digital voltmeter (3-0-3V) with testing leads	Nos	2									

*Sumit Jadhav*  
22/11/22

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1	2	3	4	5	6	7	8	9	10	11	12	13
A.5.7	Acid/alkali mixing jar	Nos	2									
A.5.8	Rubber apron	Nos	2									
A.5.9	Pair of rubber hand gloves	Nos	2									
A.5.10	Set of spanners	Nos	2									
A.5.11	'No smoking' notice	Nos	2									
A.5.12	Goggles (Industrial)	Nos	2									
A.5.13	Instruction card	Nos	10									
A.5.14	Minimum and maximum temperature indicator for Battery Room	Nos	1									
A.5.15	Interconnector bolt wrenches	Nos	1									
A.5.16	Stand insulators	Lot	1									
A.5.17	Battery log book	Nos	1									
A.5.18	Funnel	Nos	2									
A.5.19	Multimeter	Nos	2									
A.5.20	Cell interconnectors with 5% extra and end take-off with one no. extra	Lot	1									
A.5.21	Lead coated connection hardware plus 5% extra	Lot	1									
A.5.22	Teakwood Cable clamps with hardware	Lot	1									
A.5.23	SUB-TOTAL (A.5.1 TO A.5.22)											
A.6	ERECTION & COMMISSIONING SPARES											
A.6.1	INTER CELL CONNECTOR	NOS	4									
A.6.2	GLOVES	SET	4									
A.6.3	VENT PLUGS	NOS	4									
A.6.4	SUB-TOTAL (A.6.1 TO A.6.3)											
A.7	LUMP-SUM PRICE FOR MANDATORY SPARES (ITEM-WISE BREAKUP WITH ITEM-WISE PRICE TO BE GIVEN AS PER ANNEXURE-II) (should be same as SI No. A.7.7 of annexure-II)	LOT	1.00									
A.8	TOTAL ORDERING VALUE (SUM OF A.1+A.2+A.3+A.4+A.5.23+A.6.4+A.7)											
B.0	OPTIONAL ITEMS											
B.1	O & M SPARES FOR 220V BATTERY (BIDDER TO FURNISH THE LIST)	LOT	1									

*Sumeet Sahay*  
20/11/22

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1	2	3	4	5	6	7	8	9	10	11	12	13
B.2	SUPERVISION CHARGES OF COMMISSIONING OF 220V DC BATTERY)	LOT	1									
B.3	SUPERVISION CHARGES OF ERECTION & COMMISSIONING OF 220V DC BATTERY)	SET	1									
B.4	SUPV. OF E & C- MANDAY RATE	SET	1									
B.5	SUPV. OF E & C- TRAVEL CHARGE	SET	1									
B.6	TYPE TESTS											
B.6.1	TEST FOR CAPACITY- TEST FOR VOLTAGE DURING DISCHARGE	LOT	1									
B.6.2	TEST FOR CHARGE RETENTION/ LOSS OF CAPACITY	LOT	1									
B.6.3	AMPERE HOUR AND WATT-HOUR EFFICIENCY TEST	LOT	1									
B.6.4	ENDURANCE TEST	LOT	1									
Note:-												
1. Bidder to note that total price indicated above at A.8 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.												
2. Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.												
3. Cable Lugs at Battery terminals shall be in bidders Scope & Same shall be informed during detailed engineering.												
4. Bidder to note that for evaluation of bids in foreign currency, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered."												
5. For any clarification please refer Technical Specification No- PE-TS-381-508-E001. R0												
6. In case of foreign bidders the quoted F.O.B. price shall be loaded by following factors to arrive at total FOR site price:-												
i. Marine freight and insurance - @ 3% for Europe / Asia / Africa and 5% for USA/ American continent.												
ii. Custom duty ( including CVD & SAD) as per SCC - 'as prevailing at the time of price bid opening'												
iii. Port handling/clearing charges - @ 1.0% of CIF.												
iv. Inland freight including LC charges @ 1% of CIF value.												
7. Indian Bidders to note that the Freight charges that is to be quoted by you shall be in percentage of the Total Ex Works. Bidder to mention the percentage of freight (of Total Ex Works).												

*Sumedh Salgot*  
22/11/12

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**ANNEXURE-II**

**2 X 600 MW SINGARENI TPP, ADILABAD PROJECT**

**SCHEDULE OF PRICE FOR 220V DC BATTERY (LEAD ACID)**

**MANDATORY SPARES**

FOR INDIAN BIDDERS											FOR FOREIGN BIDDERS	
SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX WORKS PRICE (DULY PACKED) (₹)	TOTAL EX WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % 'C' /EI/II (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL F.O.R SITE PRICE (₹)	UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)	
A.7	MANDATORY SPARES											
A.7.1	COMPLETELY ASSEMBLED CELL (DRY)	NOS.	9									
A.7.2	Inter-cell connectors with hardware	NOS./%	10% or 5 nos. whichever is more of total population of 4 sets of battery									
A.7.3	Vent plug	NOS./%	10% or 5 nos. whichever is more of total population of 4 sets of battery									
A.7.4	Acid level indicating float (for opaque containers only)	NOS./%	10% or 5 nos. whichever is more of total population of 4 sets of battery									
A.7.5	Stand insulator	NOS./%	10% or 5 nos. whichever is more of total population of 4 sets of battery									
A.7.6	Cell insulator	NOS./%	10% or 5 nos. whichever is more of total population of 4 sets of battery									
A.7.7	TOTAL (SUM OF A.7.1 TO A.7.6)											

Note:-

1. Bidder to note that for evaluation of bids in foreign currency, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered."

2. For any clarification please refer Technical Specification No- PE-TS-381-508-E001. R0

3. Cable Lugs at Battery terminals shall be in bidders Scope & Same shall be informed during detailed engineering.

4. In case of foreign bidders the quoted F.O.B. price shall be loaded by following factors to arrive at total FOR site price:-

i. Marine freight and insurance - @ 3% for Europe / Asia / Africa and 5% for USA/ American continent.

ii. Custom duty ( including CVD & SAD) as per SCC - 'as prevailing at the time of price bid opening'

iii. Port handling/clearing charges - @ 1.0% of CIF.

iv. Inland freight including LC charges @ 1% of CIF value

5. Indian Bidders to note that the Freight charges that is to be quoted by you shall be in percentage of the Total Ex Works. Bidder to mention the percentage of freight (of Total Ex Works).

*Sumit Sahay*  
20/11/22