

2 x 660MW MAITREE STPP											
BOQ-CUM-PRICE SCHEDULE FOR DC BATTERY - PACKAGE											
MAIN SUPPLY- Ni-Cd BATTERY (ANNEXURE-IIB)											
TENDER ENQUIRY REFERENCE NO. PE/PG/BIF/E-5804/2017 DATE 02.01.2018											
FOR FOREIGN BIDDERS						SUPPLY - APPLICABLE FOR FOREIGN BIDDERS (DELIVERY TERMS: MONGLA SEA PORT, BANGLADESH)		SUPERVISION OF ERECTION & COMMISSIONING		TOTAL PRICE FOR SUPPLY AND SUPERVISION OF ERECTION & COMMISSIONING (CURRENCY) (10=7+9)	REMARKS
SL NO	ITEM CODE (1)	ITEM DESCRIPTION/ SERVICE (2)	HSN/SAC CODE (3)	UOM (4)	TOTAL QTY (5)	UNIT COST ON C&F (COST & OCEAN FREIGHT BASIS) INCLUDING SEAWORTHY PACKING (AT MONGLA SEA PORT BANGLADESH) (CURRENCY) (6)	TOTAL COST ON C&F (COST & OCEAN FREIGHT BASIS) INCLUDING SEAWORTHY PACKING (AT MONGLA SEA PORT BANGLADESH) (CURRENCY) (7)	UNIT CHARGES FOR SUPERVISION OF ERECTION & COMMISSIONING (CURRENCY) (8)	TOTAL CHARGES FOR SUPERVISION OF ERECTION & COMMISSIONING (CURRENCY) (9)		
A		220V BATTERY									
A.1	508-14001-A	<u>BREAK UP DETAIL for 220V BATTERY 1</u>		Set	4						For MAIN PLANT BATTERY
A.1.1		220V DC, AH capacity to be decided by bidder as per Annexure-II (Load duty cycle), 1.14 ECV, 170 cells, Ni-Cd high discharge Pocket Plate/ Fibre type battery suitable For MAIN PLANT with all accessories listed as A.4 below	8507	Sets	4						If one string is not meeting the required AH capacity, two strings of 170 cells each shall be provided. The complete connectors required to connect two strings shall be in bidder's scope
A.1.2		Electrolyte (for first filling plus 10% extra)	2815	Sets	4						
A.1.3		MS racks properly treated with alkali resistance powder	7301	Sets	4						
A.1.4		Stand insulators plus 5% extra	3923	Lot	4						
A.1.5		Cell interconnectors (Inter cell, Inter row & Inter bank connectors) with 5% extra and end take-off with one no. extra	8507	Lot	4						
A.1.6		Nickel coated connection hardware plus 5% extra	8507	Lot	4						
A.1.7		Cell numbering tags with fixing arrangement (1 Set)	3919	Lot	4						
A.1.8		Cable clamps with hardware	8507	Lot	4						
A.2	508-14002-A	<u>BREAK UP DETAIL for 220V BATTERY 2</u>		Set	2						For FGD/ FOPH BATTERY
A.2.1		220V DC, AH capacity to be decided by bidder as per Annexure-II (Load duty cycle), 1.14 ECV, 170 cells, Ni-Cd high discharge Pocket Plate/ Fibre type battery suitable For FGD/ FOPH with all accessories listed as A.4 below	8507	Sets	2						
A.2.2		Electrolyte (for first filling plus 10% extra)	2815	Sets	2						
A.2.3		MS racks properly treated with alkali resistance powder	7301	Sets	2						
A.2.4		Stand insulators plus 5% extra	3923	Lot	2						
A.2.5		Cell interconnectors (Inter cell, Inter row & Inter bank connectors) with 5% extra and end take-off with one no. extra	8507	Lot	2						
A.2.6		Nickel coated connection hardware plus 5% extra	8507	Lot	2						
A.2.7		Cell numbering tags with fixing arrangement (1 Set)	3919	Lot	2						
A.2.8		Cable clamps with hardware	8507	Lot	2						

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FOR FOREIGN BIDDERS						SUPPLY - APPLICABLE FOR FOREIGN BIDDERS (DELIVERY TERMS: MONGLA SEA PORT, BANGLADESH)		SUPERVISION OF ERECTION & COMMISSIONING		TOTAL PRICE FOR SUPPLY AND SUPERVISION OF ERECTION & COMMISSIONING (CURRENCY) (10=7+9)	REMARKS
SL NO	ITEM CODE (1)	ITEM DESCRIPTION/ SERVICE (2)	HSN/SAC CODE (3)	UOM (4)	TOTAL QTY (5)	UNIT COST ON C&F (COST & OCEAN FREIGHT BASIS) INCLUDING SEAWORTHY PACKING (AT MONGLA SEA PORT BANGLADESH) (CURRENCY) (6)	TOTAL COST ON C&F (COST & OCEAN FREIGHT BASIS) INCLUDING SEAWORTHY PACKING (AT MONGLA SEA PORT BANGLADESH) (CURRENCY) (7)	UNIT CHARGES FOR SUPERVISION OF ERECTION & COMMISSIONING (CURRENCY) (8)	TOTAL CHARGES FOR SUPERVISION OF ERECTION & COMMISSIONING (CURRENCY) (9)		
A.3	508-14003-A	<u>BREAK UP DETAIL for 220V BATTERY 3</u>		Set	2						For RAW WATER INTAKE BATTERY
A.3.1		220V DC, AH capacity to be decided by bidder as per Annexure-II (Load duty cycle), 1.14 ECV, 170 cells, Ni-Cd high discharge Pocket Plate/ Fibre type battery suitable For RAW WATER INTAKE with all accessories listed as A.4 below	8507	Sets	2						
A.3.2		Electrolyte (for first filling plus 10% extra)	2815	Sets	2						
A.3.3		MS racks properly treated with alkali resistance powder	7301	Sets	2						
A.3.4		Stand insulators plus 5% extra	3923	Lot	2						
A.3.5		Cell interconnectors (Inter cell, Inter row & Inter bank connectors) with 5% extra and end take-off with one no. extra	8507	Lot	2						
A.3.6		Nickel coated connection hardware plus 5% extra	8507	Lot	2						
A.3.7		Cell numbering tags with fixing arrangement (1 Set)	3919	Lot	2						
A.3.8		Cable clamps with hardware	8507	Lot	2						
A.4		<u>LIST OF ACCESSORIES (Quantity mentioned is to be supplied for each battery bank seperately)</u>									Separately for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY
A.4.1		Mercury in chemical glass Thermometer (0 - 100 deg C)	9025	Nos	1						
A.4.2		Wall mounting type holder for thermometer	8466	Nos	1						
A.4.3		Digital Cell testing voltmeter (3-0-3V)	9030	Nos	1						
A.4.4		Rubber apron	4015	Nos	1						
A.4.5		Pair of rubber hand gloves	4015	Nos	1						
A.4.6		Set of spanners	8204	Nos	1						
A.4.7		Cell lifting straps	8507	Set	1						
A.4.8		'No smoking' notice	3926	Nos	2						
A.4.9		Goggles (industrial)	9003	Nos	1						
A.4.10		Instruction card	4901	Nos	4						
A.4.11		Rubber Syphon	4015	Nos	1						

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MAIN SUPPLY- Ni-Cd BATTERY (ANNEXURE-IIB)

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FOR FOREIGN BIDDERS						SUPPLY - APPLICABLE FOR FOREIGN BIDDERS (DELIVERY TERMS: MONGLA SEA PORT, BANGLADESH)		SUPERVISION OF ERECTION & COMMISSIONING		TOTAL PRICE FOR SUPPLY AND SUPERVISION OF ERECTION & COMMISSIONING (CURRENCY) (10=7+9)	REMARKS
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B	508-14010-A	<u>E & C SPARES</u>									
B.1		Gloves	4015	Set	6						
B.2		Vent Plugs	8507	Nos	15						
B.3		Intercell connectors	8507	Nos	15						
C	508-14016-A	SUPERVISION OF E&C									1 Visit & 4 Days each for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY
C.1		LUMP SUM CHARGES PER VISIT FOR ENGINEER (EXCEPT DAILY CHARGES)		VISIT	1						REFER NOTE-2 & 3
C.2		LUMP SUM DAILY CHARGES FOR ENGINEER		DAYS	4						REFER NOTE-2 & 3
D	508-14014-A	<u>O & M SPARES FOR TROUBLE-FREE OPEARTION</u>									
D.1		Complete dry cell	8507	Nos	42						14 Nos. each for U#1 MAIN PLANT & U#2 MAIN PLANT BATTERY and 7 Nos. each for FGD/ FOPH & RAW WATER INTAKE BATTERY
D.2		Inter cell connectors with hardware	8507	Nos	40						10 Nos. each for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY
D.3		Vent Plugs	8507	Nos	40						10 Nos. each for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY
D.4		Electrolyte level indicating float (for opaque containers only)	8507	Nos	40						10 Nos. each for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY
D.5		Stand insulators	3923	Nos	40						10 Nos. each for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY
D.6		Cell insulator	8507	Nos	40						10 Nos. each for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY

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E	508-14000-B	MANDATORY SPARES (Quantity mentioned is to be supplied for each battery bank seperately)									Separately for U#1 MAIN PLANT, U#2 MAIN PLANT, FGD/ FOPH & RAW WATER INTAKE BATTERY
E.1		Complete dry cell	8507		2% or 5 Nos. whichever is more						
E.2		Inter cell connectors with hardware	8507		5% or 10 Nos. whichever is more						
E.3		Vent Plugs	8507		5% or 10 Nos. whichever is more						
E.4		Electrolyte level indicating float (for opaque containers only)	8507		5% or 10 Nos. whichever is more						
E.5		Stand insulators	3923		5% or 10 Nos. whichever is more						
E.6		Cell insulator	8507		5% or 10 Nos. whichever is more						
GRAND TOTAL											
GRAND TOTAL (IN WORDS)											
PERCENTAGE OF TOTAL PRICE (COLUMN NO. 10) TO BE SOURCED FROM INDIA											

Notes:-

- 1.BIDDERS TO QUOTE EITHER FOR LEAD ACID OR NI-CD BATTERY.
2. AMOUNT PAYABLE FOR ENGINEER PER VISIT TO SITE = VISIT CHARGES AS PER SL. NO. C.1 ABOVE + (DAILY CHARGES AS PER SL. NO. C.2 ABOVE X NO. OF DAYS AT SITE) (TO BE CERTIFIED BY BHEL SITE).
3. THE VISIT CHARGES SHALL BE INCLUSIVE OF CHARGES OF AIR FARE/ TRAIN FARE/ VISA FEES, BOARDING/ LODGING, LOCAL CONVEYANCE, MEDICAL, INSURANCE ETC.
4. COPPER LUGS FOR CABLE TERMINATION AT BATTERY TERMINALS SHALL BE IN BIDDER'S SCOPE & CABLE SIZES SHALL BE INFORMED DURING DETAILED ENGINEERING.
5. ONE BATTERY BANK COMPRISES OF 170 CELLS.
6. O&M SPARES WHICH HAVE BEEN CONSIDERED AT 'D' ABOVE IS THE MINIMUM REQUIREMENT TO TAKE CARE OF THE EXTENDED WARRANTY. ANY ADDITIONAL ITEMS REQUIRED TO MEET THE EXTENDED WARRANTY REQUIREMENT ARE DEEMED TO BE INCLUDED BY THE BIDDER IN BID PRICE.