



Ref: E-5818/2017/CORRIGENDUM/03

Date: 23/01/2018

DUE DATE
01/02/2018
14:00 PM(IST)

Our Ref:

- (iii) Enq No.: - E-5818/2017 dated 04.01.2018
- (iv) E-5818/2017/CORRIGENDUM/01 dated 16.01.2018
- (v) E-5818/2017/CORRIGENDUM/02 dated 19.01.2018

Subject: Addendum to Technical specification, Revision in Price Schedule & Due date extension of above referred tender of DC LEAD ACID BATTERIES of 2X660 MW ENNORE SEZ

1. Addendum to Technical specification (Annexure-B) is being issued along with Corrigendum 03.
2. Price schedule is being replaced with the Price schedule Rev 01 on <https://bheleps.buyjunction.in>; www.bhel.com and www.bhelpem.com due to changes in price schedule.
3. Due date of offer submission (Part-I & Part-II) has been extended up to 01.02.2018 14:00 PM (IST).

All other terms & conditions shall remain unchanged.

Thanking You

With regards

For & on behalf of BHEL
(ANIL KUMAR PANDEY)
DY. MANAGER/ PG IV
PEM, BHEL, Noida

[Handwritten Signature]
23/01/18

कृपया प्रेषित करे :
बीएचईएल, पीएस-पीएम
पीपीआई भवन
प्लॉट नं २५, सेक्टर १६ ए
नोएडा - २०१ ३०१ उ प्र

Please reply to :
BHEL, PS-PEM,
PPEI Building,
Plot No.25, Sector 16A,
Noida-201301 (U.P.)
INDIA

फ़ोन Phone No:
91-120 - 4213528

पंजीकृत कार्यालय
बीएचईएल हाउस
सीरी फोर्ट
नयी दिल्ली - ११० ०४९
भारत

Registered Office :
BHEL House,
Siri Fort,
New Delhi-110049
INDIA

ANNEXURE-B

QUALITY PLAN

STANDARD QP NO. : PE-QP-999-508-E002, REV. 0

LIST OF TYPE TEST FOR LEAD ACID BATTERY

S No	Test	Type test description	Referred standard	Test to be specifically conducted (Yes/No)	BHEL/Customer's approval Req. on test certificate (Yes/No)
1	Type Test	• Test for Capacity & Voltage during discharge	IS:1652	YES	YES
		• AH & WH efficiency Test	IS:1652	YES	YES
		• Retention of Charge	IS:1652	YES	YES
		• Endurance Test	IS:1652	YES	YES

2 x 660MW ENNORE STPP																
BOO-CUM-PRICE SCHEDULE - Rev 01																
MAIN SUPPLY- LEAD ACID BATTERY (ANNEXURE-J)																
INDIAN BIDDERS													FOREIGN BIDDERS			
SL NO	ITEM CODE	ITEM DESCRIPTION/ SERVICE	HSN CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	Freight Charges @... % on Ex-Works Price (INR)	TYPE OF GST (IGST/SGST+CGS T/UGST)	Rate of GST	TOTAL GST AMOUNT IN (INR)	TOTAL PRICE F.O.R Prices (INR)	CURRENCY	UNIT C&F PRICE ON CHENNAI SEA PORT	TOTAL C&F PRICE ON CHENNAI SEA PORT	REMARKS
A		220V BATTERY														
A.1	508-11013-A	BREAK UP DETAIL for 220V BATTERY 1 (Area 1)		Set	4											FOR MAIN PLANT & STATION LOADS
A.1.1		220V, Lead acid plante battery suitable For MAIN PLANT as per Annexure-II (Load duty cycle)), 1.85 ECV, 108 cells, Lead-Acid plante High discharge type battery suitable For MAIN PLANT with all accessories listed as A.2 below	8507	Sets	4											One Set=> One Battery String comprising of 108 Cells If one string is not meeting the required AH capacity, multiple (n nos.) strings of 108 cells each shall be provided. The complete connectors (including inter cell, inter-row, inter-bank connectors), required to connect the "n" nos. strings shall be in bidder's scope
A.1.2		Electrolyte (sulphuric acid for first filling plus 10% extra)	2807	Sets	4											
A.1.3		Mild Steel racks properly treated with 3 coats of anti-acid paints	7301	Sets	4											
A.1.4		Stand insulators plus 5% extra	4415	Lot	4											
A.1.5		Cell interconnectors with 5% extra and one extra end take-off	8507	Lot	4											
A.1.6		Inter bank & Inter row connectors with 5% extra	8507	Lot	4											
A.1.7		Cell numbering tags with fixing arrangement (1 Set)	3919	Lot	4											
A.1.8		PVC spill trays under each battery cells	3926	Sets	4											One Set => Same as A1.1 above, 1 Spill tray for each battery Cell
A.2		LIST OF ACCESSORIES - Area 1		SET	2											ONE SET FOR UNIT # 1 & ONE SET FOR UNIT # 2
A.2.1		Inter-connector bolt wrench	8204	Nos	1											
A.2.2		Hydrometer to measure specific gravity (in step of 0.005)	9025	Nos	1											
A.2.3		Specific gravity correction chart	4901	Nos	1											
A.2.4		Set of hydrometer syringes	9025	Nos	1											
A.2.5		Thermometer with plug & cap, specific gravity correction scale	9025	Nos	1											
A.2.6		Cell testing voltmeter (digital) with leads (3-0-3V)	9030	Nos	1											
A.2.7		Pocket Thermometer	9025	Nos	1											
A.2.8		Electrolyte resisting funnels	3924	Nos	2											
A.2.9		Electrolyte resisting jug of adequate capacity	3924	Nos	1											
A.2.10		Rubber apron	4015	Nos	1											
A.2.11		Pair of rubber hand gloves	4015	Set	1											
A.2.12		Cell lifting straps	8507	Set	1											
A.2.13		PVC spill trays	3926	Nos	1											
A.2.14		Spanner for cells	8204	Nos	1											
A.2.15		First aid box	3006	Nos	1											
A.2.16		Goggles (industrial)	9003	Nos	2											
A.2.17		'No smoking' notice	3926	Nos	2											
A.2.18		Wall mounting holders for hydrometer and thermometer	8466	Nos	2											
A.3	508-11004-A	BATTERY HEALTH MNITORING SYSTEM FOR EACH BATTERY BANK (Area 1) for Battery as per sl.no. A.1.1 above.	8536	Nos	4											
A.4	508-11014-A	BREAK UP DETAIL for 220V BATTERY 2 (Area 2)		Set	2											FOR WATER TREATMENT & RO PLANT LOADS
A.4.1		220V, Lead acid plante battery suitable For AREA 2 as per Annexure-II (Load duty cycle), 1.85 ECV, 108 cells, Lead-Acid plante High discharge type battery suitable For MAIN PLANT with all accessories listed as A.5 below	8507	Sets	2											One Set=> One Battery String comprising of 108 Cells
A.4.2		Electrolyte (sulphuric acid for first filling plus 10% extra)	2807	Sets	2											
A.4.3		Mild Steel racks properly treated with 3 coats of anti-acid paints	7301	Sets	2											
A.4.4		Stand insulators plus 5% extra	4415	Lot	2											
A.4.5		Cell interconnectors with 5% extra and one extra end take-off	8507	Lot	2											
A.4.6		Inter bank & Inter row connectors with 5% extra	8507	Lot	2											
A.4.7		Cell numbering tags with fixing arrangement (1 Set)	3919	Lot	2											
A.4.8		PVC spill trays under each battery cells	3926	Sets	2											One Set => Same as A4.1 above, 1 Spill tray for each battery Cell
A.5		LIST OF ACCESSORIES - Area 2		SET	1											
A.5.1		Inter-connector bolt wrench	8204	Nos	1											
A.5.2		Hydrometer to measure specific gravity (in step of 0.005)	9025	Nos	1											
A.5.3		Specific gravity correction chart	4901	Nos	1											
A.5.4		Set of hydrometer syringes	9025	Nos	1											
A.5.5		Thermometer with plug & cap, specific gravity correction scale	9025	Nos	1											
A.5.6		Cell testing voltmeter (digital) with leads (3-0-3V)	9030	Nos	1											
A.5.7		Pocket Thermometer	9025	Nos	1											
A.5.8		Electrolyte resisting funnels	3924	Nos	2											
A.5.9		Electrolyte resisting jug of adequate capacity	3924	Nos	1											
A.5.10		Rubber apron	4015	Nos	1											
A.5.11		Pair of rubber hand gloves	4015	Set	1											
A.5.12		Cell lifting straps	8507	Set	1											
A.5.13		PVC spill trays	3926	Nos	1											
A.5.14		Spanner for cells	8204	Nos	1											
A.5.15		First aid box	3006	Nos	1											
A.5.16		Goggles (industrial)	9003	Nos	2											
A.5.17		'No smoking' notice	3926	Nos	2											
A.5.18		Wall mounting holders for hydrometer and thermometer	8466	Nos	2											
A.6	508-11015-A	BREAK UP DETAIL for 220V BATTERY 3 (Area 3)		Set	2											FOR ECHS & SW SYSTEM LOADS
A.6.1		220V, Lead acid plante battery suitable For AREA 3 as per Annexure-II (Load duty cycle), 1.85 ECV, 108 cells, Lead-Acid plante High discharge type battery suitable For MAIN PLANT with all accessories listed as A.7 below	8507	Sets	2											One Set=> One Battery String comprising of 108 Cells
A.6.2		Electrolyte (sulphuric acid for first filling plus 10% extra)	2807	Sets	2											
A.6.3		Mild Steel racks properly treated with 3 coats of anti-acid paints	7301	Sets	2											
A.6.4		Stand insulators plus 5% extra	4415	Lot	2											
A.6.5		Cell interconnectors with 5% extra and one extra end take-off	8507	Lot	2											
A.6.6		Inter bank & Inter row connectors with 5% extra	8507	Lot	2											
A.6.7		Cell numbering tags with fixing arrangement (1 Set)	3919	Lot	2											
A.6.8		PVC spill trays under each battery cells	3926	Sets	2											One Set => Same as A6.1 above, 1 Spill tray for each battery Cell
A.7		LIST OF ACCESSORIES - Area 3		SET	1											
A.7.1		Inter-connector bolt wrench	8204	Nos	1											
A.7.2		Hydrometer to measure specific gravity (in step of 0.005)	9025	Nos	1											
A.7.3		Specific gravity correction chart	4901	Nos	1											
A.7.4		Set of hydrometer syringes	9025	Nos	1											
A.7.5		Thermometer with plug & cap, specific gravity correction scale	9025	Nos	1											
A.7.6		Cell testing voltmeter (digital) with leads (3-0-3V)	9030	Nos	1											
A.7.7		Pocket Thermometer	9025	Nos	1											
A.7.8		Electrolyte resisting funnels	3924	Nos	2											
A.7.9		Electrolyte resisting jug of adequate capacity	3924	Nos	1											
A.7.10		Rubber apron	4015	Nos	1											
A.7.11		Pair of rubber hand gloves	4015	Set	1											
A.7.12		Cell lifting straps	8507	Set	1											
A.7.13		PVC spill trays	3926	Nos	1											
A.7.14		Spanner for cells	8204	Nos	1											
A.7.15		First aid box	3006	Nos	1											
A.7.16		Goggles (industrial)	9003	Nos	2											
A.7.17		'No smoking' notice	3926	Nos	2											
A.7.18		Wall mounting holders for hydrometer and thermometer	8466	Nos	2											

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