

2X660 MW UDANGUDI STPP STAGE-1														
ANNEXURE-1 : BOO CUM UNPRICE SCHEDULE FOR DC BATTERY CHARGER PACKAGE														
TENDER ENQUIRY NO.: PE/PG/UDN/E-6427/2020 DATED 24.04.2020														
S. No.	Item code	Item Description	Unit	Quantity	Remarks	HSN code	UNIT EX-WORKS PRICE (DULY PACKED) (INR) (1)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR) (2)	FREIGHT CHARGES (3)		TOTAL PRICES (ex works + freight) (INR) (4)	APPLICABLE GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (5)		TOTAL PRICE F.O.R Prices with taxes (INR) (6)
									@ % OF TOTAL EX WORKS (3A) (MENTION RATE HERE)	AMOUNT IN (INR) (3B) =[2X3A]		GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) (5A) (MENTION RATE HERE)	TOTAL AMOUNT IN (INR) (5B)=[4X5A]	
1	508-12010-A	220V FLOAT-CUM-BOOST CHARGER1, 220V DC, 750A (MAIN PLANT)	NOS	6	LEAD ACID BATTERY (2X1760 AH)	8504								
2	508-12011-A	220V FLOAT-CUM-BOOST CHARGER2, 220V DC, 50A (WATER TREATMENT & RO PLANT)	NOS	2	LEAD ACID BATTERY (78AH) WITH TAP CELL	8504								
3	508-12012-A	220V FLOAT-CUM-BOOST CHARGER3, 220V DC, 50A (SEA WATER INTAKE SYSTEM)	NOS	2	LEAD ACID BATTERY (78AH) WITH TAP CELL	8504								
4	508-12001-A	BATTERY FUSE BOX												
4.1		BATTERY FUSE BOX (MAIN PLANT)	NOS	4	BATTERY FUSE BOX OF ADEQUATE RATING AS PER LOAD DUTY CYCLE (ANNEXURE-II OF SPECIFICATION). MINIMUM RATING 1250A.	8504								
4.2		BATTERY FUSE BOX (WATER TREATMENT & RO PLANT)	NOS	1	BATTERY FUSE BOX OF ADEQUATE RATING AS PER LOAD DUTY CYCLE (ANNEXURE-II OF SPECIFICATION). MINIMUM RATING 50A.	8504								
4.3		BATTERY FUSE BOX (SEA WATER INTAKE SYSTEM)	NOS	1	BATTERY FUSE BOX OF ADEQUATE RATING AS PER LOAD DUTY CYCLE (ANNEXURE-II OF SPECIFICATION). MINIMUM RATING 50A.	8504								
5	508-12005-A	DISCHARGE RESISTOR												
5.1		DISCHARGE RESISTOR (MAIN PLANT)	NOS	2	DISCHARGE RESISTOR WITH SHUNT SUITABLE FOR 10HRS DISCHARGE RATE FOR 3520AH LEAD ACID BATTERY (TWO PARALLEL STRINGS OF 1760AH BATTERY)	8504								
5.2		DISCHARGE RESISTOR(WATER TREATMENT & RO PLANT)	NOS	1	DISCHARGE RESISTOR WITH SHUNT SUITABLE FOR 10HRS DISCHARGE RATE FOR 78AH LEAD ACID BATTERY (SINGLE STRING OF 78AH BATTERY)	8504								
5.3		DISCHARGE RESISTOR (SEA WATER INTAKE SYSTEM)	NOS	1	DISCHARGE RESISTOR WITH SHUNT SUITABLE FOR 10HRS DISCHARGE RATE FOR 78AH LEAD ACID BATTERY (SINGLE STRING OF 78AH BATTERY)	8504								
6	508-12006-A	E & C SPARES												
6.1		E & C SPARES FOR FLOAT CUM BOOST CHARGER (MAIN PLANT) AT BOQ S. NO. 1	SET	1										
6.1.1		FUSE LINK WITHOUT HOLDER				8504								
a		AC I/P HRC FUSE LINK	NOS	6		8504								
b		GLASS FUSE	NOS	6		8504								
c		CONTROL HRC FUSE LINK	NOS	6		8504								
d		RECTIFIER FUSE LINK	NOS	6		8504								
e		FILTER CAPACITOR FUSE LINK	NOS	6		8504								
f		DC O/P FUSE LINK	NOS	6		8504								
6.1.2		INDICATING LAMP												
a		AC I/P LAMP RED COLOR	NOS	6		8504								
b		AC I/P LAMP YELLOW COLOR	NOS	6		8504								
c		AC I/P LAMP BLUE COLOR	NOS	6		8504								
d		DC O/P LAMP	NOS	6		8504								
6.2		E & C SPARES FOR FLOAT CUM BOOST CHARGER (WATER TREATMENT & RO PLANT) AT BOQ S. NO. 2	SET	1		8504								
6.2.1		FUSE LINK WITHOUT HOLDER												
a		AC I/P HRC FUSE LINK	NOS	6		8504								
b		GLASS FUSE	NOS	6		8504								
c		CONTROL HRC FUSE LINK	NOS	6		8504								

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									@ % OF TOTAL EX WORKS (3A) (MENTION RATE HERE)	AMOUNT IN (INR) (3B) =[2X3A]		GST RATE IN % ON(TOTAL EX WORKS + FREIGHT) (5A) (MENTION RATE HERE)	TOTAL AMOUNT IN (INR) (5B)=[4X5A]	
d		RECTIFIER FUSE LINK	NOS	6		8504								
e		FILTER CAPACITOR FUSE LINK	NOS	6		8504								
f		DC O/P FUSE LINK	NOS	6		8504								
6.2.2		INDICATING LAMP												
a		AC I/P LAMP RED COLOR	NOS	6		8504								
b		AC I/P LAMP YELLOW COLOR	NOS	6		8504								
c		AC I/P LAMP BLUE COLOR	NOS	6		8504								
d		DC O/P LAMP	NOS	6		8504								
6.3		E & C SPARES FOR FLOAT CUM BOOST CHARGER (SEA WATER INTAKE SYSTEM) AT BOQ S. NO. 3	SET	1										
6.3.1		FUSE LINK WITHOUT HOLDER												
a		AC I/P HRC FUSE LINK	NOS	6		8504								
b		GLASS FUSE	NOS	6		8504								
c		CONTROL HRC FUSE LINK	NOS	6		8504								
d		RECTIFIER FUSE LINK	NOS	6		8504								
e		FILTER CAPACITOR FUSE LINK	NOS	6		8504								
f		DC O/P FUSE LINK	NOS	6		8504								
6.3.2		INDICATING LAMP												
a		AC I/P LAMP RED COLOR	NOS	6		8504								
b		AC I/P LAMP YELLOW COLOR	NOS	6		8504								
c		AC I/P LAMP BLUE COLOR	NOS	6		8504								
d		DC O/P LAMP	NOS	6		8504								
7	508-12024-A	TYPE TEST	LOT	1										
7.1		HEAT RUN TEST	SET	2	HEAT RUN TEST TO BE CONDUCTED ON ONE CHARGER OF EACH RATING (i.e. TEST TO BE CONDUCTED ON 1 NO. CHARGER AT BOQ S.NO. 1 AND 1 NO. CHARGER AT BOQ S.NO. 2 & 3 TOGETHER)	9987								
8	508-12020-A	SUPV OF E&C	SET	1	1 VISIT & 4 DAYS EACH FOR UNIT-1 MAIN PLANT, UNIT-2 MAIN PLANT, WATER TREATMENT & RO PLANT, SEA WATER INTAKE									
8.1		LUMP SUM CHARGES PER VISIT FOR ENGINEER (EXCEPT DAILY CHARGES)	VISIT	4	REFER NOTE - 1, 2 & 3	9987								
8.2		LUMP SUM DAILY CHARGES FOR ENGINEER	DAYS	16	REFER NOTE - 1, 2 & 3	9987								
9	508-12000-B	MANDATORY SPARES												
		(* One set corresponds to actual quantity of components and devices as installed for the equipment at Site)												
9.1		MANDATORY SPARES FOR FLOAT CUM BOOST CHARGER (MAIN PLANT) AT BOQ S. NO. 1	SET	1										
a		ELECTRONIC CARDS (WITH ALL COMPONENTS MOUNTED)	SET (OF EACH TYPE & RATING)	1		8504								
b		FUSES	NOS (OF EACH TYPE & RATING)	4		8504								
c		SCR	NOS (OF EACH TYPE & RATING)	6		8504								
d		BLOCKING DIODE	SET (OF EACH TYPE & RATING)	6		8504								

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									@ % OF TOTAL EX WORKS (3A) (MENTION RATE HERE)	AMOUNT IN (INR) (3B) =[2X3A]		GST RATE IN % ON(TOTAL EX WORKS + FREIGHT) (5A) (MENTION RATE HERE)	TOTAL AMOUNT IN (INR) (5B)=[4X5A]	
e		POTENTIOMETER	SET (OF EACH TYPE & RATING)	3		8504								
f		MCCB	SET	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
g		LEDs LAMPS	NOS (OF EACH TYPE & RATING)	5		8504								
h		COOLING FANS	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
i		DIGITAL METERS	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
j		CONTROL RELAYS	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
k		VOLTAGE REGULATOR ASSEMBLY	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
l		CONTACTOR	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
m		PUSH BUTTON	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
n		FILTER CIRCUIT SPARES	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
o		CONTROL SWITCHES	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
p		CT	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
9.2		MANDATORY SPARES FOR FLOAT CUM BOOST CHARGER (WATER TREATMENT & RO PLANT) AT BOQ S. NO. 2	SET	1										
a		ELECTRONIC CARDS (WITH ALL COMPONENTS MOUNTED)	SET (OF EACH TYPE & RATING)	1		8504								
b		FUSES	NOS (OF EACH TYPE & RATING)	4		8504								
c		SCR	NOS (OF EACH TYPE & RATING)	6		8504								
d		BLOCKING DIODE	SET(OF EACH TYPE & RATING)	6		8504								
e		POTENTIOMETER	SET(OF EACH TYPE & RATING)	3		8504								

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f		MCCB	SET	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
g		LEDs LAMPS	NOS (OF EACH TYPE & RATING)	5		8504								
h		COOLING FANS	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
i		DIGITAL METERS	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
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9.3		MANDATORY SPARES FOR FLOAT CUM BOOST CHARGER (SEA WATER INTAKE SYSTEM) AT BOQ S. NO. 3	SET	1										
a		ELECTRONIC CARDS (WITH ALL COMPONENTS MOUNTED)	SET (OF EACH TYPE & RATING)	1		8504								
b		FUSES	NOS (OF EACH TYPE & RATING)	4		8504								
c		SCR	NOS (OF EACH TYPE & RATING)	6		8504								
d		BLOCKING DIODE	SET (OF EACH TYPE & RATING)	6		8504								
e		POTENTIOMETER	SET(OF EACH TYPE & RATING)	3		8504								
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i		DIGITAL METERS	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
j		CONTROL RELAYS	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
k		VOLTAGE REGULATOR ASSEMBLY	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
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p		CT	NOS	10 % OF EACH TYPE & RATING OR ONE, whichever is higher		8504								
TOTAL IN FIGURES														
TOTAL IN WORDS														
NOTES:														
1) AMOUNT PAYABLE FOR ENGINEER PER VISIT TO SITE = VISIT CHARGES AS PER SL. NO. 8.1 ABOVE + (DAILY CHARGES AS PER SL. NO. 8.2 ABOVE X NO. OF DAYS AT SITE) (TO BE CERTIFIED BY BHEL SITE).														
2) THE VISIT CHAGRES SHALL BE INCLUSIVE OF CHARGES OF AIR FARE/TRAIN FARE , BOARDING/LODGING, LOCAL CONVEYANCE, MEDICAL , INSURANCE ETC.														
3) SITE VISIT CHARGES SHALL BE APPLICABLE FOR ANY VISIT MADE BY VENDOR AT SITE AFTER RECEIVING THE INSTRUCTION FROM BHEL FOR DEPUTATION OF VENDOR REPRESENTATIVE. THE VISIT CAN BE CALLED FOR SUPERVISION OF COMMISSIONING & TESTING ETC.														
4) ALL CABLE GLANDS & LUGS AT CHARGER, FUSE BOX & DISCHARGE RESISTOR END ARE IN BIDDER'S SCOPE.														


 नेत्रपाल सिंह / Neerajpal Singh
 उपा. प्रबंधक (पी.जी.-1) / Dy. Manager (P.G.-1)
 भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
 पावर सेक्टर - परियोजना अभियंता / Power Sector
 Power Sector-Project Engineering Management
 पीपीईआई भवन, एच.आर.डी.आई. एंड ई.सी.आई. कॉम्प्लेक्स
 PPEI Bldg, H.R.D.I. & E.S.I. Complex,
 Authorised Signatory
 Dist. No. 25 Sep 16 A. Noida - 201301