

HCC No. 23/2017

**HIGH COURT OF KARNATAKA,
HIGH COURT BUILDINGS, BENGALURU-1
DATED: 20th APRIL 2018.**

CORRIGENDUM

High Court of Karnataka, Bengaluru vide Brief Tender Notification No. HCK_DJ/2017-18/IND57 dated 14.03.2018 had called for procurement of 38 nos. of 2 KVA, 192 nos. of 5 KVA, 38 nos. of 10 KVA and 1 no. of 20 KVA UPS to 200 Court Complexes, 46 Jail Locations, DLSA, TLSC, Karnataka Judicial Academy.

The last date fixed for uploading tender on 13.04.2018 at 4.00 PM and opening on 16.04.2018 at 4.00 p.m.is hereby extended up to 28.04.2018 at 4:00 PM and opening on 03.05.2018 at 4.00 PM.

For more details visit <https://eproc.karnataka.gov.in> website. Further, clarifications regarding queries are attached herewith.

Sd/-

**T.G SHIVASHANKARE GOWDA
REGISTRAR (COMPUTERS) AND
TENDER INVITING AUTHORITY
HIGH COURT OF KARNATAKA,
BENGALURU - 560 001.**

ANNEXURE 2-A SPECIFICATION OF 5 KVA ON-LINE UPS

Sl.No. as in RFP	Parameter	Description	Queries from Bidders	Read As
1 Pg-15	Output Power Capacity	4 kW / 5 KVA	Now a day's almost all UPS comes with 0.9 output power factor	No Change
2 Pg-15	Max. Configurable Power	4 kW / 5 KVA	Now a day's almost all UPS comes with 0.9 output power factor	No Change
9 Pg-15	Bypass	External Static Bypass, Internal Auto & Manual Bypass	Bypass should be either of - External Static Bypass OR internal Auto & Manual Bypass	External Static Bypass / Internal Auto & Manual Bypass
12 Pg-15	Input voltage range	160-280V	Normally input Voltage which will be mentioned as +/- 2%-3% is standard	No Change
13 Pg-15	Input Total Harmonic Distortion	Harmonic Distortion Less than 5% for full load	Input Harmonic Distortion < 10%	No Change
15 Pg-15	Battery Recharging	Time Not more than 180 minutes	Recharge Time Should be 6-8 Hrs for 90%, charging time of 180 min is not sufficient. To reduce Battery capacity to 75 AH instead of 100 AH, charging should 10% of Battery AH	Time : 480-600 minutes

16 Pg-15	Run-time	Not less than 120 minutes with load of 3600 W	Now a day's almost all UPS comes with 0.9 output power factor instead of 0.8 P.F.	Not less than 120 minutes with full load 0.8 P.F.
Interface:				
17 Pg-15	Interface Port(s)	DB-9, RS-232, RJ-45 10/100 Base-T	Interface should be either of any one OR two interface is required from the List and USB interface is also available	RJ-45 is mandatory
Environmental:				
21 Pg-15	Operating Environment	0–45 °C	Please consider Operating Temperature 0–40 °C	No change
26 (new)	Isolation transformer	Isolation transformer	Isolation Transformer: Required or Not required?	Isolation transformer Is required

ANNEXURE 2-B SPECIFICATION OF 10 KVA ON-LINE UPS

Sl.No. as in RFP	Parameter	Description	Queries from Bidders	Read As
1 Pg-16	Output Power Capacity	8 kW / 10 KVA	Now a day's almost all UPS comes with 0.9 output power factor	No change
2 Pg-16	Max. Configurable Power	8 kW / 10 KVA	Now a day's almost all UPS comes with 0.9 output power factor	No change
3 Pg-16	Nominal Output	Voltage 220-230V Configurable for 220 voltage	Configurable to range of voltage	No change
9 Pg-16	Bypass	External Static Bypass, Internal Auto & Manual Bypass	Bypass should be either of - External Static Bypass OR internal Auto & Manual Bypass	External Static Bypass / Internal Auto & Manual Bypass
10 Pg-16	Nominal Input Voltage	220-230V Three phase	Mention three phases of 220-230V	No Change
12 Pg-16	Input voltage range	160-280V	Normally input Voltage which will be mentioned as +/- 2%-3% is standard	No Change
13 Pg-16	Input Total Harmonic Distortion	Harmonic Distortion Less than 5% for full load	Input Harmonic Distortion < 10%	No change

15 Pg-16	Battery Recharging	Time Not more than 180 minutes	Recharge Time Should be 6-8 Hrs for 90%, charging time of 180 min is not sufficient. To reduce Battery capacity to 75 AH instead of 100 AH, charging should 10% of Battery AH	Time : 480-600 minutes
16 Pg-16	Run-time	Not less than 120 minutes with load of 6400 W	Now a day's almost all UPS comes with 0.9 output power factor instead of 0.8 P.F.	Not less than 120 minutes with full load of 0.8 P.F.
Interface:				
17 Pg-16	Interface Port(s)	DB-9, RS-232, RJ-45 10/100 Base-T	Interface should be either of any one OR two interface is required from the List and USB interface is also available	RJ-45 is mandatory
Environmental:				
21 Pg-16	Operating Environment	0-45°C	Please consider Operating Temperature 0-45°C	No change
26 (new)	Isolation transformer	Isolation transformer	Isolation Transformer: Required or Not required?	Isolation transformer Is required

ANNEXURE 2-C SPECIFICATION OF 20 KVA ON-LINE UPS				
Sl.No. as in RFP	Parameter	Description	Queries from Bidders	Read As
1 Pg-17	Output Power Capacity	14 kW / 20 kVA	14 kW / 20 kVA OR 16kw / 20 KVA	16 kW / 20 kVA

2 Pg-17	Max. Configurable Power	14 kW / 20 kVA	14 kW / 20 kVA OR 16kw / 20 KVA	16 kW / 20 kVA
3 Pg-17	Nominal Output	Voltage 220-230V Configurable for 220 voltage	Please Mention Single Phase	No change
9 Pg-17	Bypass	External Static Bypass, Internal Auto & Manual Bypass	Bypass should be either of - External Static Bypass OR internal Auto & Manual Bypass	External Static Bypass / Internal Auto & Manual Bypass
10 Pg-17	Nominal Input Voltage	220-230V, Three phase	Mention three phases of 220-230V	No Change
12 Pg-17	Input voltage range	160-280V	Normally input Voltage with to be mentioned +/- 2%-3% is standard	No Change
13 Pg-17	Input Total Harmonic Distortion	Harmonic Distortion Less than 5% for full load	Input Harmonic Distortion < 10%	No Change
15 Pg-17	Battery Recharging	Time Not more than 180 minutes	Recharge Time Should be 6-8 Hrs for 90%, charging time of 180 min is not sufficient. To reduce Battery capacity to 75 AH instead of 100 AH, charging should 10% of Battery AH	Time : 480-600 minutes
16 Pg-17	Run-time	Not less than 120 minutes with load of 12800 W	Now a day's almost all UPS comes with 0.9 output power factor instead of 0.8 P.F.	Not less than 120 minutes with full load of 0.8 P.F.
Interface:				

17 Pg-17	Interface Port(s)	DB-9, RS-232, RJ-45 10/100 Base-T	Interface should be either of any one OR two interface is required from the List and USB interface is also available	RJ-45 is mandatory
Environmental:				
21 Pg-17	Operating Environment	0 – 45°C	Please consider Operating Temperature 0- 40°C	No Change
26 (new)	Isolation transformer	Isolation transformer	Isolation Transformer: Required or Not required?	Isolation transformer Is required

ANNEXURE 2-D SPECIFICATION OF 2 KVA ON-LINE UPS				
Sl.No. as in RFP	Parameter	Description	Queries from Bidders	Read As
1 Pg-18	Capacity	2 KVA ONLINE	2KVA/ 1.4 kW or 2KVA/ 1.6 kW?	2 KVA ONLINE; 1.6 kW
3 Pg-18	Output Voltage and Frequency (On Mains)	230 +/- 5% with AVR (Automatic Voltage Regulation) 50 Hz +/- Synchronized with Input Power Frequency	AVR will be part of Off Line UPS parameter and Output voltage will be 230 +/- 1% tolerance	Voltage : 230 V +/- 1% AC Single Phase Regulation (Steady State): Less than +/-1% in the following conditions 1. No Load to full load/full load to no load 2. 0.6 Lag to unity PF 3. During entire backup time complete input voltage range Frequency : 50 Hz +/- 0.5%

4 Pg-18	Output Voltage and Frequency (On Battery)	230 V +/- 3% with 50 Hz	230 V +/- 3% with 50 Hz, Single phase	No Change
8 Pg-18	Efficiency	84% or more with Full Load 80% at Half Load	Increase the full load to 90%	No Change
10 Pg-18	Other features	Cold start, Auto Start, Generator Compatible, No Load, Shutdown, RS232 Communication, Display	No Load shut down is for Offline UPS parameter and in Online there is no Load shutdown parameter not available	Cold start, Auto Start, Generator Compatible, RS232 Communication, Display
14 Pg-18	Operating Environment	0-45 ⁰ C	Please consider Operating Temperature 0-40 ⁰ C	No Change
16 Pg-18	Audible Noise at 1 mtr from Surface of unit	Not more than 45.00 dBA	Not more than 55.00 dBA	No Change
20 (new)	Isolation transformer	Isolation transformer	Isolation Transformer: Required or Not required?	Isolation transformer Is required

Other Queries in General related to UPS and Batteries for 5KVA, 10KVA, 20KVA or 2 KVA UPS

Sl.No.	Brief Particulars Description as in RFP	Description at RFP	Queries from Bidders / Modification requested	Read As
1	Battery Type Exide Tubular C10 rated, 6EL, 100 AH or higher Battery	in all specifications sl.no.14- 5KVA, 14-10KVA, 14-20KVA & 6- 2 KVA respectively at page no, 15, 16,	Minimum VAH is also provided for all UPS systems, But again mentioned the minimum battery capacity each UPS. Since, Battery VAH	No Change

	with 5 (Five) Years warranty	17 & 18 of RFP	is mentioned, the restriction on minimum battery capacity should not have been there	
2	UPS 5 KVA for Backup time of 2.0 Hours, minimum <u>VAH-18000</u> , as per specification in Annexure-2A	in clause 2.Quantity, sl.no.1, at page no. 2 of RFP	minimum VAH not < 14400 VAH	No Change
3	UPS 10 KVA for Backup time of 2.0 Hours, minimum <u>VAH-27000</u> , as per specification in Annexure-2B	in clause 2.Quantity, sl.no.2 at page no. 2 of RFP	minimum VAH not < 24000 VAH	No Change
4	UPS 20 KVA for Backup time of 2.0 Hours, minimum <u>VAH-54000</u> , as per specification in Annexure-2C	in clause 2.Quantity, at page no. 3 of RFP	minimum VAH not < 36000 VAH	No Change
5	UPS 2 KVA for Backup time of 2.0 Hours, minimum <u>VAH-9000</u> , as per specification in Annexure-2D	in clause 2.Quantity, at page no. 4 of RFP	minimum VAH not < 5760 VAH	No Change
6	EMD Exemption has not been given to SSI/MSME Unit	in clause 7.Earnest Money Deposit (EMD), at page no. 4 of RFP	EMD Exemption to SSI/MSME Unit	No Changes in the Clause in RFP

7	Higher Capacity UPS & Higher Backup UPS, in built battery provision is not possible.	in RFP document at page no.1	Required Battery can have separate cage of enclosure	Bidder may provide Separate Battery Stand along with UPS
8	Please confirm can we give BG instead of DD	in Clause 7, page no 4 of RFP; EMD Rs 20 Lacs : of RFP	confirm can we give BG instead of DD	No changes at Clauses in the RFP
9	Please confirm PBG Period in months	in Clause 10.5, page no 5 of RFP; 10% PBG period contract +3 months	confirm PBG Period in months	No change
10	EMD 20 Lacks	in Clause 7, pg.no.4- EMD 20 Lacks	This looks too high small vendors cannot participate. Request you to relook into it.	No change
11	Annexure-2 Battery Type	in all specifications sl.no.14- 5KVA, 14-10KVA, 14-20KVA & 6- 2 KVA respectively at page no, 15, 16, 17 & 18 of RFP	Battery AH is depending upon Backup & DC Voltage of UPS System, it varies brand to brand. Request you to remove AH rating and Model Number Make it 75 AH Batteries	No change

12	Annexure-2 Battery Type	in all specifications sl.no.14- 5KVA, 14-10KVA, 14- 20KVA & 6- 2 KVA respectively at page no, 15, 16, 17 & 18 of RFP	New Technology of Gel batteries is introduced instead of conventional Tubular Batteries at 10% more price	No change
13	Operating Temperature / Environment 0-45°C	in all specifications, Operating Environment - in RFP	Please consider Operating Temperature 0-40°C	No change
14	Noise Level	in all specifications, Audible Noise at 1 mtr - in RFP	please consider < 55 db at 1 meter, instead of < 45 db	No change
15	Additional Query on to change the P.F. as 0.9 instead of 0.8	in all specifications full load condition of RFP	Now a days almost all UPS comes with 0.9 output power factor instead of 0.8 P.F.	No change
16	Additional Query on Safety measures	in all technical specifications of RFP	Mention safety, environment clauses like CE, UL, BIS. RoHS etc.,	Vendor to get at his cost - Type test certificate (Performance Test) conducted by randomly choosing one out of newly supplied UPS from all categories by Government recognized Laboratory.
17	Performance Bank Guarantee Period	in Clause 10.5 – PBG, pg no-5 of RFP	..period of contract + 3 months – clarify	Period of warranty + 3 months
