



**एनर्जी एफिशिएंसी सर्विसेज लिमिटेड**  
(भारत सरकार, विद्युत मंत्रालय के सार्वजनिक क्षेत्र के उपक्रमों का संयुक्त उद्यम)  
**ENERGY EFFICIENCY SERVICES LIMITED**  
(A JV of PSUs under the Ministry of Power, Govt. of India)  
CIN : U40200DL2009PLC196789

**Amendment No. 1**

Ref: EESL/06/IE3Motors-ICB/192004001/Amdt-1

Date: 07/05/2019

To,  
M/s .....  
.....

**SUB: Amendment No.1 against RfP No. EESL/06/IE3Motors-ICB/192004001 for "Design, Manufacture, Testing and Supply of IE3 Motors with 3 years comprehensive warranty."**

**References:**

1. NIT/Bid Document No. EESL/06/IE3Motors-ICB/192004001, E-tender Id: - 1530.
2. Pre-Bid Meeting held on 22.04.2019 at EESL office, Delhi.

Dear Sir/Madam,

The following Amendments(s) / Clarification(s)/ to above mentioned RfP are hereby authorized: -

1. Detailed Amendments and clarifications are attached herewith as Annexure-I (Sr. No. 1 to 17), please refer the document.

All other terms and conditions of subject tender remain unchanged for now.

Thanking You,

For and on behalf of EESL



*Anjana*  
Anjana

Manager (Contracts)


**कॉरपोरेट ऑफिस / Corporate Office :**

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Signature  
Subject: CN-ANJANA, SERIALNUMBER=08304630918051063557633, AFR33ct  
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REQUIREMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, CN  
110066  
110066  
Rajneesh Rana  
07-05-2019

Sr. No.	Section - 4		Description as Per RfP	Queries of the bidder	Proposed Amendment/Clarification
	Page No. ANNEX-E				
	Para No/ Clause No.				
1	2.2.1 (b) (Section-3)		<p>Bidder should have, in the preceding three (3) completed Financial Years reckoned from the date of opening of the Bids, manufactured, tested and supplied the minimum of 8,000 no IE3 motors for each quoted lot (and 16,000 no. for both lots). International Bidders may note that IE3 are covered under mandatory IS-12615.</p>	<p>To consider supply / sale of both IE2 and IE3 motors for eligibility and qualification as IE3 motors have not yet been mandatory for installation, by the Govt of India whereas IE2 motors as per IS 12615 were mandatory less than a year and a half ago, i.e. wef 1st Jan' 2018.</p> <p>To consider a minimum combined quantity of IE2 and IE3 supplied / sold may be considered as double the quantity tendered for each lot of 20,000 nos. To elaborate, the supply / sale of IE2 and IE3 motors combined to be 40,000 nos for each of the lot of 20,000 nos tendered. Total supplies / sale of 80,000 nos for both lots.</p>	<p><b>Amended as:</b> Bidder should have, in the preceding three (3) completed Financial Years reckoned from the date of opening of the Bids, manufactured, tested and supplied the minimum of 16,000 no IE2/IE3 motors out of which minimum 20% should mandatorily be IE3 for each quoted lot (and 32,000 no. IE2/IE3 motors out of which 20% should be IE3 for both lots). International Bidders may note that IE3 are covered under mandatory IS-12615.</p>
2	2.3.2 (Section-3)		<p>The average annual turnover of the Bidder from Motors business, in the preceding three (3) financial years w.r.t the date of bid opening, shall not be less than INR/USD specified in the table below for each lot:</p> <p>INR 171 Crore or 24.40 Million USD. Bidder participating in both the lot shall have ATO of INR 342 Crore or 48.8 Million USD. Other income shall not be considered for arriving at annual turnover. However, in case Bidder is a Consortium, the combined turnover of all the consortium members shall be considered.</p>	<p>To consider the Annual Average Turnover of the bidding company to be 100% of total estimated value of the total tendered quantity of 40,000 nos. To elaborate, if the EESL estimated value of 40,000 nos tendered qty is, say, Rs 100 Crores then the total annual average turnover of the bidding company may be Rs 100 Crore for both lots (40,000 nos) and accordingly Rs 50 Crore, on proportionate basis, for each of the tendered lot of 20,000 nos.</p>	<p><b>Amended as:</b> The average annual turnover of the Bidder from Motors business, in the preceding three (3) financial years w.r.t the date of bid opening, shall not be less than INR/USD specified in the table below for each lot:</p> <p>INR 128.25 Crore or 18.3 Million USD. Bidder participating in both the lot shall have ATO of INR 256.5 Crore or 36.6 Million USD. Other income shall not be considered for arriving at annual turnover. However, in case Bidder is a Consortium, the combined turnover of all the consortium members shall be considered.</p>
3	6.4 (Section-6)			<p>To specify the following: a. range of operation for VFD application to be 30-50 Hz. b. motors of 250 frame and above should have insulated bearings.</p>	<p><b>Included as:</b> A. Motor should be VFD compatible suitable for variable torque application, Primarily operating in the range of 30 Hz to 50 Hz and should have insulated bearing at NDE side for motors of 250 &amp; 280 frame.</p>
4	3.8 (Section-3)			<p>To mention the estimated quantity of flange mounted motors, preferably against each rating in the tender.</p>	<p><b>Clarified as:</b> The flange quantity would be 10% of the total BoQ (up to 22 kW)</p>
5				<p>6) To invite upto L5 bidder for matching L1 price. This will enable a wider selection of suppliers for timely and successful completion of supplies against this tender.</p>	



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Subject : CN=ANJANA, SERIALNUMBER=08d04650fb58051f98566cfc8a146e3acbbe68acd14e736513c9bd55b47, ST=DELHI, OID.2.5.4.17=110003, OU=CONTRACTS AND PROCUREMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN  
User ID : Anjana  
Serial No : F2A572  
PB : rajneesh.rana(Rajneesh Rana)  
Date : 07-05-2019







9			Our offered motors will be suitable for VFD starting only for variable torque application & with frequency variation range of 10% to 100%. Also, for 280 frame size and above, we recommend to use insulated bearings/insulated bearing housings at NDE side. This clause may please be added & prices of insulated bearings/insulated bearing housings may be requested separately in the tender.	Refer- 6.4 (Section-6)
10	2.1 (m) (Section-6)		Fault level of 50kA for 1 sec may please be revised to 50kA for 0.25 sec as per test results available with most of the manufacturers.	Refer- 2.1 (m) (Section-6)
11	6.0 (Section-6)	The tender does not mention the type of the stator body mentioned – CI and AL.	We recommend EESL to mention CI as 99% motor that are sold in India are CI. Indian customers are more comfortable with CI body	<b>Clarified as:</b> Supplier may supply Cast Iron/Aluminium Stator body upto 7.5 kW and for motors of rating above 7.5 kW only CI body shall be acceptable.
12		Price in tender to be quoted as per Rs/kW	We still recommend to see the possibility to change the pricing method with respect to frame size.	<b>Clarified as:</b> Not Acceptable
13		Price is required for both flange and foot motors upto 22kW	There is no clarity on the quantity of the flange motors. EESL should confirm the qty of the expected flange motors.	Refer- 3.8 (Section-3)
14		The required cable lug and gland and cable size in clause 6.2.3	The lug and the gland will not be in scope of siemens. The cable size for the motors will be as per below <b>Table 1</b>	<b>Clarified as:</b> Not Acceptable
15		All motors should be VFD suitable	Our all motors are suitable for the VFD operation. For frame size 280 with VFD, we recommended insulated bearing at the NDE side. Temperature rise shall be limited to "class B" for Sinusoidal supply and "class F" for VFD feed motor over ambient of 50 degree.	Refer- 6.4 (Section-6)
16		Type of application not defined	No deration for the variable torque application. For constant torque deration factor will be applicable based upon type of load characteristics and speed range.	
17	4.3.1(Section-6)	For motors with starting time up to 20 secs. at minimum permissible voltage during starting, the locked rotor withstand time under hot condition at highest voltage limit shall be at least 2.5 secs. more than starting time.	Supplier needs load details such as load GD sq. and torque speed curve. If same is not available then we will confirm same subjected to load GD sq. = motor GDsq.	<b>Amended as:</b> For motors with starting time up to 20 secs. at minimum permissible voltage during starting, the locked rotor withstand time under hot condition at highest voltage limit shall be at least 2.5 secs. more than starting time. However, in case load GD sq. and load rpm not available, consider it to be equal to motor GD sq and motor rpm.



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 CTS AND PROCUREMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN  
 User ID : Anjana  
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<b>kW</b>	<b>Cable Size</b>
0.75	2x6mm sq
1.1	2x6mm sq
1.5	2x6mm sq
2.2	2x16mm sq
3.7	2x16mm sq
5.5	2x16mm sq
7.5	2x16mm sq
11	2x25mm sq
15	2x25mm sq
18.5	2x25mm sq
22	2x25mm sq
30	2x35mm sq
37	2x35mm sq
45	2x50mm sq
55	2x95mm sq
75	2x95 mm sq



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 CTS AND PROCUREMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN  
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