03.07.2015_{No} 1975

Att. of
Power Grid Corporation of India
Ltd., Saudamini, Plot No.-2,
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TO WHOM IT MAY CONCERN

Dear Gentlemen!

In the course of many decades, from the moment of appearance of Electrical Power Sector in Russian Federation and up to the present day Massa LLC – IZOLYATOR factory remains our regular supplier of high-voltage bushings for the needs of our Company. Below herewith we are kindly informing You on the list of HV bushings, rated 500kV/315A, 500kV/1600A, 500kV/2500A, 800kV/315A, with internal solid resin impregnated paper (RIP) insulation which have been developed, designed, manufactured, type tested, supplied, installed by Massa LLC at the facilities of subdivision companies of JSC Federal Grid Company of Unified Energy System (JSC FGC UES): MES of Northwest, MES of Urals, MES of East, MES of Center, MES of Volga, MES of Siberia, MES of West Siberia, MES of South.

| Type of Bushing | Factory drawing | Year of commissioning | Factory Serial No. | Q-ty, pcs. | Total Q-ty |
|------------------------------|-----------------|-----------------------|---|---------------|---------------|
| 500kV/315A (for reactors) | ИВУЕ.686355.129 | 2009 | П-21771 П-21881 П-19941 П-20497 П-21234 П-21273 | 6 | All h |

| | | 2010 | П-26489 П-26834 П-27972 П- 25751 П-21928 | 5 | |
|------------------------------|--|------------------------------|---|-------------|--|
| | | 2011 | П-32977 П-33077 П-34093 П- 34178 П-23848 П-24355 П-25186 П-31691 | 8 | |
| | | 2012 | П-35175,П-42418 | 2 | |
| | | 2013 | П-34038, П-49089, П-53515 П-53516, П-54083, П-50548 П-50547, П-53439, П-49051 П-49050, П-49799 | 11 | |
| 500kV/1600A | ИВУЕ.686355.173 | 2011 | П-39608 П-39738 | 4 | |
| (transformer) | 7.23 2.333333.173 | 2012 | П-45051, П-46608,П-46654 П-44984,П-48212,П-43386 П-40566 | 7 | |
| | | 2013 | П-40271 | 1 | |
| 500L)/ (0500 A | | | | | |
| 500kV /2500A | ИВЕЮ.686354.001 | 1999 | Y-48461 | 1 | |
| (transformer) | ИВЕЮ.686354.002 ИВУЕ.686355.172 ИВУЕ.686355.146-01 | 2005 | 4-89899 | 1 | |
| | | 2008 | П-06227 П-10840 П-12457 П- | | |
| | | 2000 | 13488 П-15598 П-16544 П-08181 П-13764 П-12832 П-12741 | 10 | |
| | | 2009 | 13488 П-15598 П-16544 П-08181 | 10 | |
| | | | 13488 П-15598 П-16544 П-08181 П-13764 П-12832 П-12741 | | |
| | | 2009 2010 2011 | 13488 П-15598 П-16544 П-08181 П-13764 П-12832 П-12741 П-19736 П-19098 П-19461 П-24454 П-26803 П-22900 П-13380 П-39932 П-40061 П-40647 П-22158 П-22850 П-24228 | 3 | |
| | | 2009 2010 | 13488 П-15598 П-16544 П-08181 П-13764 П-12832 П-12741 П-19736 П-19098 П-19461 П-24454 П-26803 П-22900 П-13380 П-39932 П-40061 П- | 3 | |
| | | 2009 2010 2011 | 13488 П-15598 П-16544 П-08181 П-13764 П-12832 П-12741 П-19736 П-19098 П-19461 П-24454 П-26803 П-22900 П-13380 П-39932 П-40061 П- 40647 П-22158 П-22850 П-24228 П-42246, П-40667, П-40514, П-41067, П-41215, П-40933, П-41427, П-39607, П-42008 П-41368, П-41639 П-54603, П-50428, П-54432 П-54433, П-51960, П-49090 П-52074, П-52210, П-48863 | 3 3 7 | |
| 800kV/315A (for reactors) | | 2009 2010 2011 2012 | 13488 П-15598 П-16544 П-08181 П-13764 П-12832 П-12741 П-19736 П-19098 П-19461 П-24454 П-26803 П-22900 П-13380 П-39932 П-40061 П- 40647 П-22158 П-22850 П-24228 П-42246, П-40667, П-40514, П-41067, П-41215, П-40933, П-41427, П-39607, П-42008 П-41368, П-41639 П-54603, П-50428, П-54432 П-54433, П-51960, П-49090 | 3 3 7 | |

We confirm hereby the high quality of the supplied products by Massa LLC, as well as a complete compliance with the requirements of IEC 60137 standard, GOST 10693 standard and normative documents. All high-voltage bushings mentioned above have passed successfully all type and routine tests and are successfully operating up to the present time since their commissioning. There have not been occurred any problem with installation, commissioning and maintenance.

A successful experience in development of the partnership relations between Massa LLC and JCS FGC UES allows to recommend Massa LLC - Izolyator factory as a reliable partner for manufacturing and supplies of the bushings for high (110, 220, 330) and extra-high voltage levels (420, 550, 800 etc.).

JSC FGC UES confirms herewith that **Massa LLC - Izolyator factory** is a strategical partner, wishing You prosperity and further innovative development of Energy Transmission and Distribution in Russia and Worldwide!

Your sincerely,

Deputy Chairman of the Board – chief engineer



V.P. Dikoy