

SALIENT TECHNICAL FEATURES

Package Code: NRE-CS-BULKTRF-RAJ-1-004-9

“Salient Technical Features of the systems /equipment/ services are mentioned below. These Salient Technical Features are mentioned only to facilitate the prospective bidders to prima-facie understand the requirements under the tender and shall not in any way limit or alter the scope of work and technical features/specification of equipment/ systems/ services covered in the Bidding Documents.

Detailed provisions in regard of scope of work and technical features/specification of equipment/ systems/ services, contained in the Bidding Document shall be final and binding.”

Salient technical features of the proposed package are as follows:

NAME OF PACKAGE: POWER TRANSFORMER PACKAGE FOR BIKANER AND FATEHGARH SOLAR POWER PROJECTS IN RAJASTHAN

The scope includes the following:

1. Design, Engineering, Manufacturing, Supply, Testing, Packing and Forwarding, Transportation, Unloading, supervision of Erection and Commissioning of 315MVA,400/33/33kV Power Transformers along with required accessories as follows.

- 1.1 Supply, supervision of Erection and Commissioning of Main Equipment:

a) 315MVA,400/33/33 kV Power Transformers	Total 07 nos. (Bikaner-4Nos, Fatehgarh-3Nos)
b) Fire Protection System for each Power Transformer.	Total 07 nos. (Bikaner-4Nos, Fatehgarh-3Nos)

- 1.2 Supply and Supervision of Installation of Spare Transformer: -

315MVA, 400/33/33 kV Power Transformer	01 no. (at Bikaner)
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- 1.3 Supply and Installation of Monitoring Equipment:

a) On-Line DGA Analyzer for each Power Transformer under service.	Total 07 nos. (Bikaner-4Nos, Fatehgarh-3Nos)
b) Portable On-Line Moisture Removal System	Total 07 nos. (Bikaner-4Nos, Fatehgarh-3Nos)

1.4 Supply of Operation & Maintenance instruments and accessories: -

a) Insulation tester (0-10kV)	02 nos.	One each at Bikaner and Fatehgarh
b) Oil Tanker, wheel mounted, 10kL capacity	02 nos.	
c) Oil purification equipment, 10kL	02 nos.	
d) IR Camera	02 nos.	
e) Automatic tan delta kit	01 No	At Bikaner.

2 Conducting Complete Routine and Type Test for the Transformers as per IEC 60076/IS 2026.

3 Short Circuit Test of One 315MVA, 400/33/33 kV Transformer (if required).

*The detailed scope of work is as defined in bidding document No.: **NRE-CS-BULKTRF-RAJ-1-004-9***