(27)

(28)

MODIFICATION SHEET No. WAM4/35

Title of modification

Modification to the terminal stud of the Jyoti Arno convertor.

Purpose of modification

In the present design of the terminal arrangement current passes from the incoming lead of the stator winding to the out-going lead through the solid portion of the stud, nut and partially threaded portion of the stud. Any mismatching or slackness between the stud and nut threads results in high contact resistance and in turn causes overheating of the terminal stud and damage to the threads.

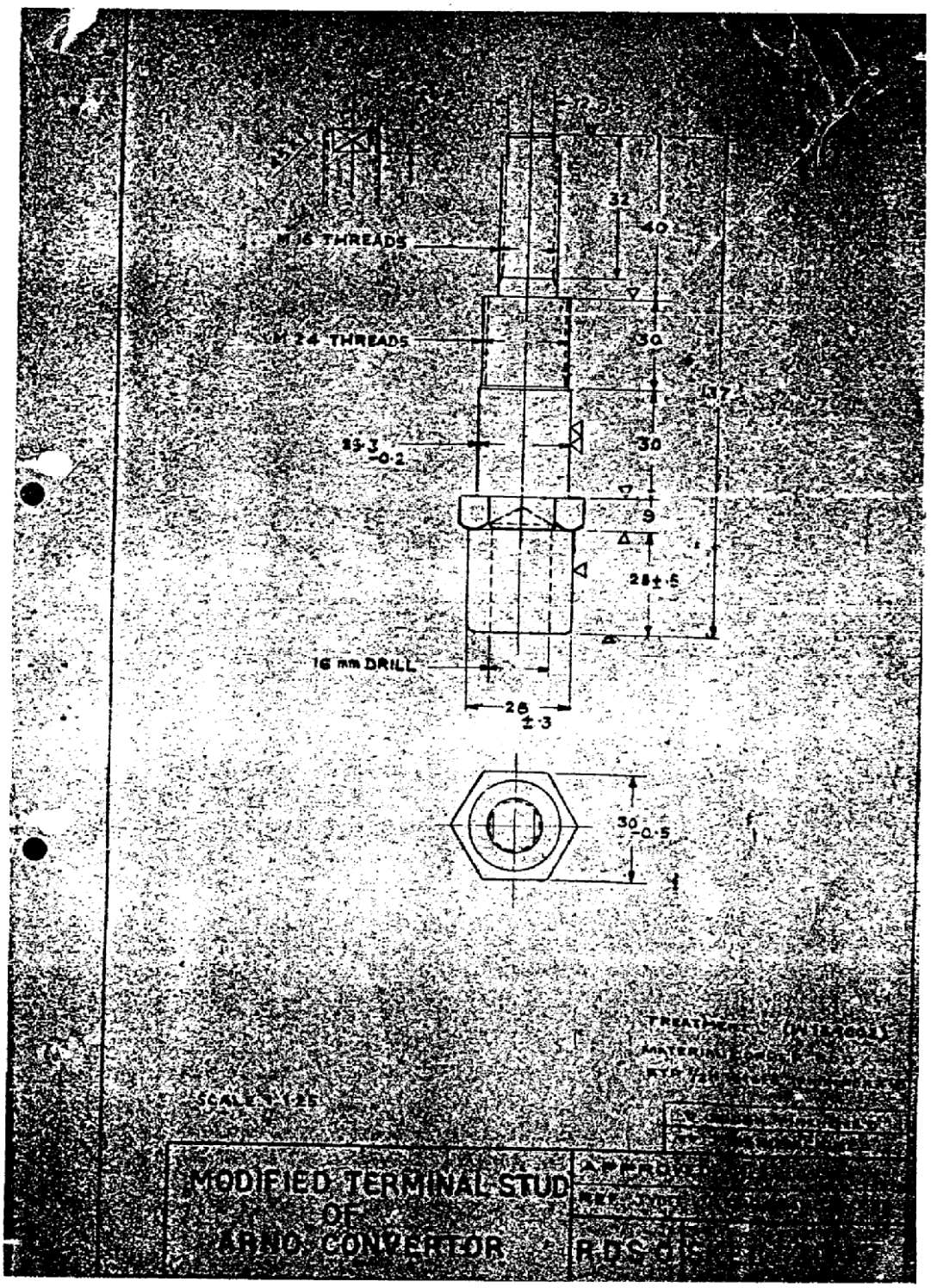
To eliminate the existing problem, it is decided to modify the present arrangement as per Drawings No. SK EL 2047 and 2048 enclosed.

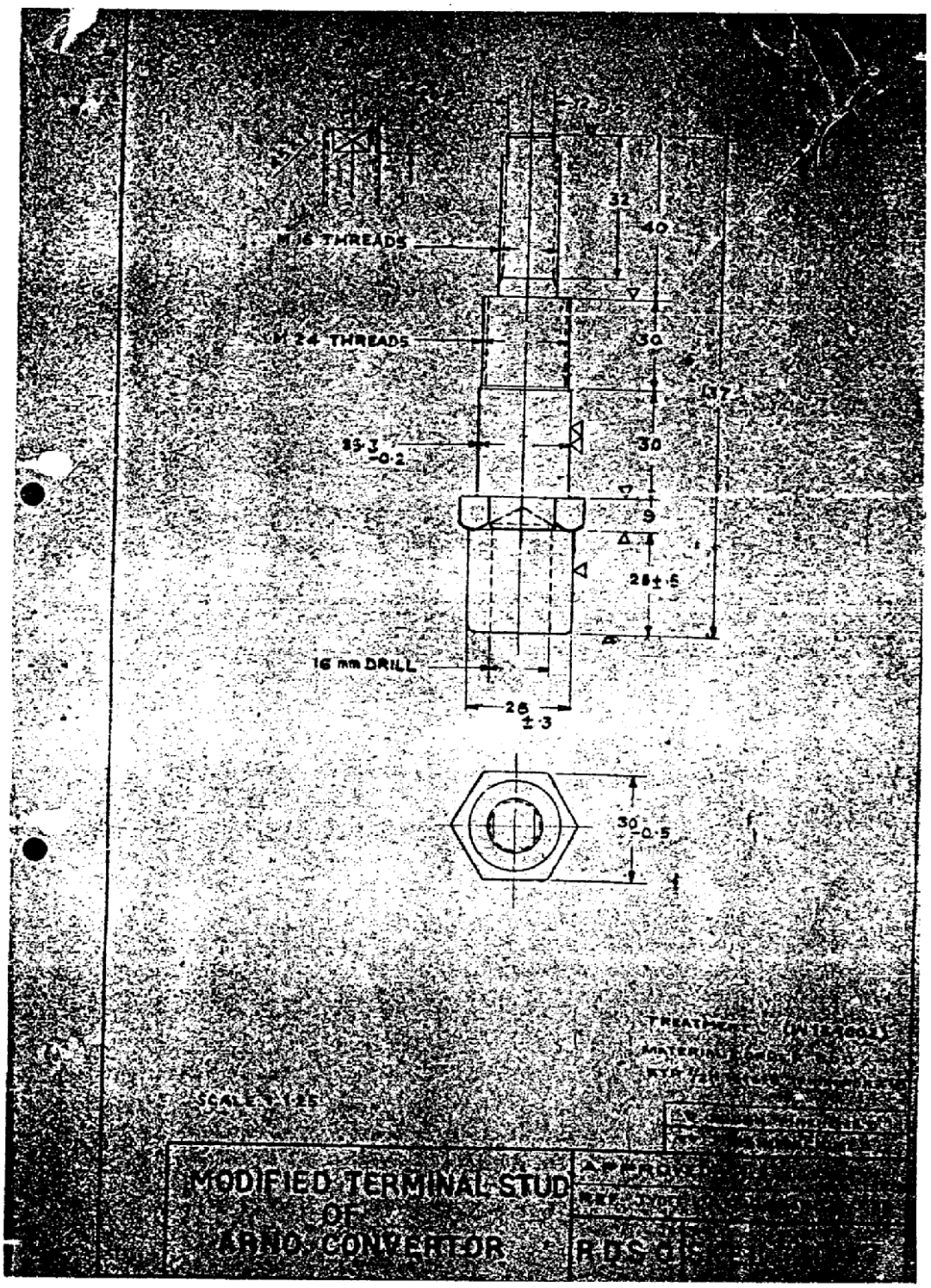
Work to be carried out

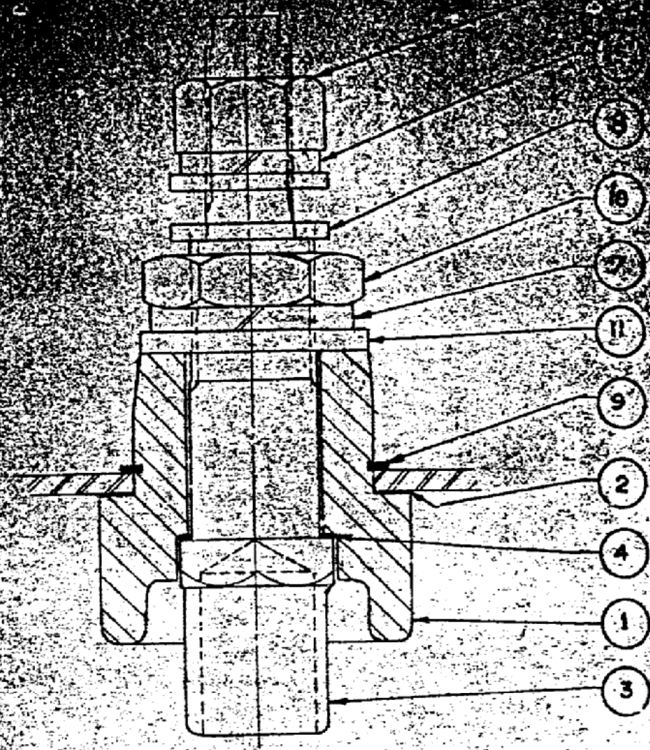
The existing studs in service to be replaced by modified studs.

Execution of the work and material schedule

The modification should be carried out by the Sheds/POH shops on all the terminal box of Jyoti Arno convertor.


M 16 THREADS
M 24 THREADS
32
40
30
137
30
9
28 ± 5
16 mm DRILL
28 ± 3
30 -0.5
MODIFIED TERMINAL STUD
OF
6 KV. CONVERTOR
R.D.S.O.


M 16 THREADS
M 24 THREADS
16 mm DRILL
SCALE 1:1.25
MODIFIED TERMINAL STUD
OF
ARAD CONVERTOR
APPROVED
RDSO



NOTE:-

1. PLACE TERM. INSULATOR GASKET AS REQD. FOR FIXING INSULATOR WITH PLATE BY CIRCLIP.
2. THE FLAT PORTION ON THE TOP OF THE STUD IS GIVEN TO HOLD THE STUD WHILE TIGHTENING THE NUT.
3. TIGHTENING TORQUE FOR TERM. NUT (6) HAS 300 Kg. Cm. [illegible]

(11)	FLAT WASHER
(10)	NUT
(9)	CIRCLIP
(8)	FLAT WASHER
(7)	SPRING WASHER
(6)	NUT
(5)	SPRING WASHER
(4)	ARALDITE
(3)	TERMINAL STUD
(2)	PLATE
(1)	[illegible]
[illegible]	DESCRIPTION

[illegible] TERMINAL ASSY.

RDSO/SK/EL-304[illegible]