Commercial Accounting Systems Vol. X

Manual on Damaged Transformers



PUNJAB STATE ELECTRICITY BOARD 2006

1987 First Edition Second Edition 1998 Third Edition 2006

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INTRODUCTION

(First Edition)

The Government of India, Ministry of Irrigation & power (Department of power) have framed. "The Electricity (Supply) (Annual Accounts) Rules 1987" under Section-69 of The Electricity (Supply) Act, 1948. These Rules prescribe the formats for preparation of Annual Accounts of the Board, a new Chart of Accounts and Basic Accounting Principles and Policies.

The Board engaged M/s A.F. Ferguson & Co. as Consultants to provide assistance in implementation of Commercial Accounting Systems Procedures reflecting and aforesaid Rules, Regulations and Procedures relating to accounting of damaged transformers and submitted a draft manual on Damaged Transformers which incorporates the procedure laid down in various circulars as modified by the aforesaid Rules. The draft manual was sent to SE/TMR Circle, SE/DS Patiala and Sr. XENs TRW Divisions. The comments received from CE/MM and other officers have been duly taken into consideration while finalising the manual.

The Manual has been approved in terms of decision taken by the Board in its 14/85 meeting held at Chandigarh. Chief Accounts Officer has been authorised to amend, modify and issue clarifications, as may be necessary with respect to the Manual, within the framework of the Rules framed by the Govt. of India.

Suggestions for improvement would be welcomed and may be sent to CAO Commercial Accounting Cell, Patiala.

Co-operation received from the Sr.XENs TRW Divisions in finalising this work and work done by the officers of the Commercial Accounting Cell of the Board, in this behalf, are gratefully acknowledged.

> JATINDER GOYAL Chief Accounts Officer, P.S.E.B., Patiala

SALIENTS - F EATURES

- The book-value of the transformer (estimated, if it is not known) will be transferred to TRW Division on the transfer of the damaged transformer to that Division alongwith accumulated depreciation (50% of the estimated cost, if the amount of the depreciation is not known). In other words. The cost of the damaged transformer will appear in the book at its original book value.
- The cost of repairs will be treated as O&M expenditure. It will not be added to the cost of the damaged transformer.
- DS Divisions will now raise an IUT Bill on transfer of the damaged transformer to the TRW Division instead of awaiting credit for the damaged transformer from the TRW Division.
- In TRW Division, the cost of damaged transformer as also of repaired transformers will be treated as a part of capital assets and not stock inventory.
- TRW Division will transfer the repaired transformers to COS without value. The COS will maintain the quantity account of the repaired transformers. The TRW Divisions will raise debit to the DS Division concerned on receipt a copy of store requisition from COS.

PREFACE TO THE THIRD EDITION

The Manual was first published in 1987 and its revised Edition was issued during 1998 incorporating the changes/modifications made up to year 1998. The Second (Revised) Edition has gone out of stock. The change/modifications made up to 31.07.2006 have been incorporated in this Edition of Manual on Damaged Transformers for guidance of all concerned.

I feel immense pleasure in bringing out this 3rd Edition (2006). Readers are requested not to hesitate in bringing out the defects/discrepancies, if any, to the notice of CAO, WM&G Section for consideration and making necessary rectification.

DATED: 31.07.2006

JATINDER GOYAL Chief Accounts Officer

MANUAL OF DAMAGED TRANSFORMERS

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RESPONSIBLE	ACTION	TIMING
CPO	 For purchase of transformers initiate purchase procedures as per the manual on material accounting. While initiating purchase proposal availability of repaired transformers as per status report from transformer repair workshop divisions shall be kept in yiew. 	As & when
		Jan State
	*·	

	ACTION	TIMING
RESPONSIBLE Junior Engineer (Stores)	For each new transformer received in the stores, open Transformer Movement Card (TMC) in duplicate.	As & when
ů.	The Transformer Movement Card (TMC) will be stamped with serial number allotted by the COS and contain the following details:	
	(1) Transformer history	
	(i) transformer name plate details	
	(ii) purchase and issue details	
	(iii) accounting information	
	(iv) details of movement & shortages	
	(v) maintenance particular	s
	(2) Repairs conducted at repair workshop	
	(3) Technical details	
	 The Transfer Movement Card (TMC) sh be maintained in duplicate. While to original copy of TMC shall move with to transformers, the second one will preserved in TRW Division. 	he be
	 The TMC will accompany the particular transformer. No officer shall either to delivery or issue a transformers with its TMC. 	out
SDO/JE (Op.)	 On receipt of transformer, maintain capacity-wise register of transformer keep a control over the total number transformers received and installed field. 	er of

RESPONSIBLE	ACTION	TIMING
America	 Enter the particulars of external shortages noticed at the time of withdrawing from stores, from the TMC into the register of transformers. 	
	 Pass accounting entry on the basis of SR for actual cost and accumulated depreciation. The accounting entry is provided at serial no. 1 of subject code 27. 	As & when
	For procedure regarding shortages refer to subject code.	
\$		
	FORM TITLE FORM NO.	
	Transformer Movement Card TRW-1 Register of transformers TRE-10	

RESPONSIBLE	ACTION	TIMING
Distribution office	Before stores requisition (SR) is prepared for requisitioning new transformers from stores it shall be ascertained whether any repaired transformers are available in the stock.	
or .	Receive SR duly approved from the requisitioning sub division. In case any shortage is noticed, note of such shortage should be given in the SR and the value mentioned therein. The shortage noted on SR should be signed by both the issuing official and receiving official.	
Store Keeper	 Complete the Transformer Movemen Card (TMC) and note the shortage therein. 	t -do-
SDO-Stores	 Sign the TMC in token of having carried out inspection and in verification of the entries. 	g -do-
Divisional office	4. On the basis of SR extract the relevant values of the transformers and past accounting entry as per serial not of subject code 27. 5. Procedure regarding issue transformers will be followed as permaterial accounting manual.	s 2 of
	FORM TITLE FORM N Transformer Movement Card TRW-1 Store requisition MAT-29	

RESPONSIBLE	ACTION	TIMING
SDO/OP. Subdivision	 On receipt of transformer malfunction report/complaint initate departmental procedures for technical examination. Advice junior engineer (JE) to proceed with inspection and send telegraphic advice to the concerned authorities giving full information on the nature of complaint and specify the area in which transformer was located. 	Immediately
JE	Prepare inspection report on examination of damage and determine the nature and case of damage. Ascertain whether the seal is broken or intact and forward full report to the SDO, along with Transformer Movement Card (TMC) and Register of Damaged Transformers.	do
SDO	 Scrutinise the Inspection Report Register of damaged transformers, Inspect the site and have the transformer replaced by obtaining verbal orders from competent authority (Sr.XEN). The transformer should be 	

replacement of damaged transfer as

of Damaged Transformers.

JE/SDO/Op.

replaced within 48 hours of damage in order to maintain continuity of supply. Ensure that an entry to this effect has been made in Transformers Movement Card (TMC) and in Register

4. Prepare an estimate for the Immediately

RESPONSIBLE	ACTION	TIMING
	under:- The estimate for damaged transformer should be prepared like any other estimate for replacement. An example for illustration is given below:- (i) Cost of damaged T/F 10,000 (ii) Accumulated depn. 2,000	
	(iii) Written down value 8,000 (iv) Cost of new transformer 12,000 In the estimate the value of new	
	transformer i.e. Rs. 12,000/- will be debited to account code 14/ 10.541.542 Credit for Rs. 10,000/- on account of damaged transformer to be replaced shall be given to GH-10/ 541,542.	
	Dismantlement charges, if any, shall be charged to Revenue account code concerned and erection charges shall be capitalised (Account Code 14/ 10.541, 10.542.	
	 Forward the replacement estimate to competent authority for approval and sanction. 	Immediately
Competent authority	 On receipt of estimate scrutinise, approve and sanction the same. Forward the sanctioned estimate to the concerned officers. 	Next Day
SDO/JE	 Receive sanctioned estimate and take necessary action. 	Same day
	In case transformer is not covered.	

RESPONSIBLE	ACTION		TIMING	
	under warranty perio	od refer to subject		
	9. For other cases refe 08.	er to subject code		
Accounts section	10. On installation of a pass accounting en number 1 of subject basis of stores requ	ntry given at serial ct code 27 on the	Same day	
	Enter particulars of installed in the fixed per procedure laid capital expenditure	d asset register as down in manual on	Immediately	
JE	12. Enter the particular the transformer in t		-do-	
	6			
	FORM TITLE Transformer Move- ment Card	FORM NO.		
	Fixed asset register	Refer to manual on capital expenditure		

RESPONSIBLE	ACTION	TIMING
E-1 Sub Division	 In each Sub Division/ sub office (DS/RE) a register of transformers in form TRW-10 shall be maintained for all transformer received, installed and transferred to other divisions/sub divisions. The register shall be maintained capacitywise. After the close of the month an abstract shall be prepared showing details of all transformers whether installed or not, transformers damaged durining the month and sent to TRW Division for repairs (specimen of the abstract on the back of form TRW-10). The figures shown in the abstract shall be reconciled with the figures as shown in the return showing category-wise issue supplied by the issuing store to the DS Sub divin, and DS Divisions. The issue shall be shown category-wise as standardised by COS. In case of any discrepancy the figures shall be reconciled before submitting the return to the Divisional Office. A copy of the abstract shall be forwarded to Divisional Office in the first week of the following month. 	-do-
DHD Division	3. In the Divisional Office, a register of damaged transformers in form TRW-9 shall be maintained by the Head Draftsman. It shall be posted from the reports received on malfunctioning damaged transformers (See Sub Code 06). The register shall be maintained for each Sub Division/Sub office capacitywise. On receipt of abstract as per step-2 above, the DHD will check the relevant entries in the Register of Damaged Transformers (TRW-9). The	

RESPONSIBLE	ACTION	TIMING
DHD Division DHD Division Sr.XEN/MP C.O.S.	discrepancies, if any, shall be pointed out to the office concerned. Register of damaged transformers alongwith abstracts shall be put up to Sr.XEN. Thereafter the DHD shall prepare a consolidated report of the damaged transformers of the division as a whole and send a copy of the same to the following under the signatures of the Sr. Xen: (i) SE/DS concerned (ii) SE/TMR Circle	Monthly Quarterly Quarterly
	4. Also on receipt of abstract of TRW- 10 as per item 2 above, the DHD shall compile the information of all transformers in the same proforma (abstract) for the Division as a whole. He shall reconcile the number of transformers received for various purposes with the number of transformers shown issued by the Issuing Store. Any difference shall be reconciled immediately. Copy of this reconciled return shall be supplied to SE/DS concerned.	
	 Quarterly MIR reports about the receipt of total transformers based on step 4 shall be prepared and submitted to Chief Controller Finance (MIR) through SE/CE (DS) for publication in the MIR. 	
	 The figures of receipt as shown in MIR shall be checked up with those shown as issued by the COS in his relevant return (Presently TMO-3). 	
	FORM TITLE FORM NO.	
	Register of Damaged transformers TRW-9	
	u di isi Officis	

RESPONSIBLE	ACTION	TIMING
SDO distribution	 On scrutiny of inspection report received from JE Sign the same and forward to the divisional officer. 	
SDO	 Instruct the junior engineer to replace the damaged transformer. (subject code 04) 	Same day
Divisional officer .	 Receive the inspection report and scrutinize. Enter it in the register of damage transformers and put up to 	
JE	Sr.XEN. 4. Prepare a store return warrant (SRW) 6 copies for forwarding the damaged transformer to the Receiving yard under COS. Enter the following in SRW:	-da-
	(1) Type, make capacity and serial number of transformer	
	(2) Whether warranty period covered	
	(3) Certificate that there is no police case involving the transformer	
	(4) Nature of defect/damage as per inspection report in TMC.	
JE	Note: Damaged transformers be despatched to TRW division within the same month or latest by the end of the succeeding month.	By end of month
	 Send the defective/damaged transformer to receiving yard COS accompanied with the following documents: 	
	(1) Transformer movement card (TMC)	
	(2) Two copies of SRW	
	Two copies of TO-5. Send two copies of SRW to the divisional office-accounts section.	

RESPONSIBLE	ACTION	1,7772 532	TIMING
	On receipt of SRW from make entry in fixed asset		
Divisional account section	Extract the amounts of transformer and total dep the transformer movemer Card. Pass accounting entry grounder 3 of subject cools.	reciation from nt Card/Asset given at serial	Same day
	10. Raise IUT bill on TRW stating separately the for related accumulated exactly as entered in voucher. Forward one of to the TRW division along	division by otal cost and depreciation the journal copy of SRW	Year end
	Ensure that all transforme to TRW division are as during the year in which took place.	ccounted for	
	FORM TITLE	FORM NO.	
	Transformer movement card	TRW-1	
	Store return warrant	Mat-34	
		IUT-1	
	Register of transformers Register of damaged	TRW-10	
	transformers		

RESPONSIBLE	ACTION	TIMING
JE Transformer yard (TRY)	Accept the transformer only if accompanied by: (1) Transformer movement card (2) SRW (3) TO-5	As and when
	Prepare Goods Receipt Note (GRN) in duplicate, separately for each transformer accepted. The GRN shall contain the following particulars: (1) SRW numberand date (2) Transferer subdivision name, and	Immediately
	(3) Type, make capacity and serial number of the transformer. (4) Whether warranty period covered. 3. Make entry in transformer receipt & issue register on the receipts side from the	Same day
	GRN. The register should be maintained capacity-wise. Allot-master No to each transformer.	
JE's receiving yard and distribution subdivision	 Carry out joint inspection of transformer and prepare joint inspection report (JIR) in four copies. JIR will contain the following particulars in addition to the transformer details: 	
	(1) Details of shortages apparently visible.	
	(2) Distinguish between shortage already entered in the TMC (verified under signature of at least two shortages inspected in the receiving yard.	
	(3) GRN number and date.	

RESPONSIBLE	ACTION	TIMING
JE-receiving yard	Forward two copies of the JIR to the SDO alongwith GRN and SRW.	Same day
	 Return two copies each of SRW and JIR and one copy of TO -5 to concerned officer from distributions subdivision. 	Immediately
SDO	 Receive JIR and scrutinize. Check the transformer and on full satisfaction sign the JIR in token of having conducted full inspection. 	-do-
	 Forward one copy of JIR alongwith one copy of GRN and SRW to the divisional accounts section. 	End of week
Divisional accounts section	 On receipt of GRN and JIR allot a serial number to the documents from transformer for repair register (TRR). Enter the following into TRR, division- wise: 	Immediately
	(1) GRN number and date	
	(2) SRW number and date	
	(3) Name of subdivision	
	(4) Particulars of transformer	
	(5) Date of JIR	
. 5	(6) Whether warranty period covered	
	 Scrutinise the TRR and check whether all GRN serial numbers have been entered serial numbers have been entered serial-wise and that no number is missing. 	End of the month
TRW divisional accounts section	 On receipt or IUT bill from distribution subdivision, extract the relevant GRN and pass accounting entry given at serial number 4 of subject code 27 of the basis of JV. Follow procedure given in IUT manual for issuing the U- cheque. 	As and when

RESPONSIBLE	ACTION	V	TIMING
RESPONSIBLE	Enter the JV particular. Scrutinise the TRR and IUT Bills for all GRN received from distribution.	s in the TRR. check whether 's have been	Same day Monthly
	FORM TITLE Transformer Movement Card Transformer for repair register Store return warrant Goods receipt note	FORM NO TRW-1 TRW-4 MAT-34 MAT-17 of Material accountin	f
	IUT bill	manual IUT-1	

RESPONSIBLE	ACTION	TIMING
	 Transformer damaged within warranty period should be repaired by the supplie as per terms of the contract. 	
SDO-distribution	Send intimation to divisional office and purchase authority by telegram communicate the following:	
	(1) Name of manufacturer	
	(2) Size and capacity	
	(3) Make and serial number	
	(4) Date of purchase	
	(5) Date of installation	
	(6) Date of damage	
	(7) Date of expiry of waarranty period	
Divisional office (Op.)	 On receipt of communication from SDO, send registered letter to the supplier, SE TMR and CE/MM. 	
	 On receipt of response from supplier inform SDO the tentative date of arrival of supplier's technician. 	
	 If the supplier does not respond to repeated written reminders within one month, issue instructions to the SDO to forward the transformer to Sr.XEN. TRW 	
80802 / 384	Division for repair.	
SDC/Op.	 On receipt of advice from divisional office, forward the transformer (referred to in serial number 5) to TRW division. Follow procedure laid down in serial numbers 4 to 11 subject code 06. 	
	 Write a letter to Sr./XEN TRW division to advice him the total cost to be incurred on repairs, when conducted, on the particular transformer referred to in serial number 5, also to CE (MM)/A.O. CPC in order 	

RESPONSIBLE	ACTION	TIMING
	to effect recovery from the supplier. Note: Clearly mention on the SRW: Warranty period covered*.	
Accounts section TRW division	 On receipt of communication from distribution division enter the letter number and date into the transformer for repair register (TRR). 	Immediately
Accounts section-+ TRW	Send the communication to SDO repair workshop.	As and when
SDO repair workshop	 On completion of work on the transformer, value the cost of repairs as follows; 	
	(1) Price of material used as per job card will be placed at the latest issue rate available from stores.	
	(2) Labour time consumed on the job shall be certified by the JE- workshop and valued at the prevailing labour rate.	
	(3) Administrative overheads shall be at the rate fixed by the competent authority from time to time. (10% supervision charges (sub para 1) on value of material and 24% departmental charges on labour (sub para 2).	
TRW Divisional accounts section	 Communicate the total cost of repairs calculated in step No. 10 above to the divisional accounts section. 	Within fortnight
	 On receipt of the cost summary from SDO-workshop enter the details into TRR and warranty cost recovery control register. 	
	 Send written intimation to central purchase authority and concerned D/S subdivision giving details of cost incurred on the repair warranty period covered. 	

RESPONSIBLE	ACTION		TIMING
OP. Divisions CE/MM, AO/CPC	transformer from the w recovery control register reference particulars in T	and enter the	
Concerned authority	14. On receipt of intimation recover the cost of re supplier in terms of the a	pair from te	Immediately
Divisional accounts- TRW	 On adjustment/collection from supplier send alongwith details to TRV 	U-cheque	As and when
	16. On receipt of U-cheque of same in the U-cheque of credit to Account Code incomes. Also make a relevant entry in warrant recovery control register	eash book by 62.930 other note against by period cost	
	17. Put up the warranty recovery control register		
Divisional officer	 Scrutinise and verify register and sign in verification. 		
	FORM TITLE	FORM NO.	
	Transformer for repair	5773-15784-5	
	register	TRW-4	
	Job card	TRW-7	
	IUT Bill	IUT-1	
	Warranty period cost		
	recovery control register	TRW-5	

RESPONSIBLE	ACTION	TIMING
RESPONSIBLE Sub divisional officer	Prepare estimate for repairs on the basis of number and capacity of transformers expected to be repaired during the year. Review the previous year's estimates and actual working results to determine the capacity of repair unit. Prepare detailed estimate for each different capacity of transformer giving the direct and indirect costs as close to actual as possible, and estimate also scrap recoverable Prepare material requirement statement keeping in view the balance of spare and material expected to be in hand a the end of the current year.	financial year
Divisional Officer	 Receive annual estimate, scrutinize an approve it if with in competence authority, otherwise send it to competent authority for approval ar sanction. 	a
Competent authority	4. Scrutinise and sanction the annu- estimate. Copy of the sanctione estimate to be retained by the following: (1) Sanctioning authority (2) S.E. TMR (if sanctioned by the	ne
	or Board) (3) Divisional officer (4) Sub divisional officer-rep	air
Divisional Officer	workshop. 5. Receive the sanctioned estimand enter into sanctioned estimates register.	ate

RESPONSIBLE	ACTION	TIMING
Divisional Officer	6. Receive the material requirement statement scrutinise and reconcile with sanctioned estimate and previous year's consumption. Approve the requirement and return copies to the sub-divisional officer-repair workshop and sub-divisional officer-stores.	
SDO stores	On receipt of approved material requirement statement, file in relevant file.	Immediately
SDO repair workshop	8. Receive the sanctioned estimate and keep it for reference. 9. On receipt of approved material requirement statement, enter quantity-wise break-up in the material estimate control register.	Same day
	FORM TITLE FORM NO. Material estimatecontrol	
	register MAT-28	

RESPONSIBLE	ACTION	TIMING
SDO repair workshop	Receive instructions from divisional officer to undertake repair of specific capacity of transformers.	As and when
*	Assess the position of jobs being completed and spare capacity of the workshop. Prepare work schedule and inform the JE accordingly as to when the job should be undertaken.	Immediately
JE repair workshop	 Receive the work schedule. Prepare a stores requisition (SR) on receiving yard in accordance with urgency of requirements. 	Periodically
JE receiving yard	 Receive the SR and scrutinise transformer receipt and issue register for availability. Transformers received first should be issued first. 	
	 Complete the SR with full particulars of the transformer as per Transformer receipt & issue register. 	Immediately
	 Update the relevant entry in transformer receipt and issue register. 	-do-
	 Extract the relevant JIR and forward alongwith the SR to the repair workshop. 	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Divisional accounts section	 Forward one copy of the SR to the divisional accounts section. 	
	Receive the SR and file.	As and wher
	FORM TITLE FORM NO. Joint inspection report TRW-3 Transformer receipt and	
	issue register TRW-2	

RESPONSIBLE	ACTION TIMING
JE repair workshop	Receive the transformers from receiving As and when yard alongwith: (1) Transformer Movement Card (TMC) (2) Stores requisition (SR) (3) Joint inspection report (JIR)
	Inform the sub-divisional officer that the transformers are ready for inspection at the workshop.
SDO repair workshop	Send advice to the SDO-receiving yard to be present for conducting joint inspection on the pre-appointed day.
SDO repair workshop and receiving yard	In joint presence of SDO TRY and SDO On appointed day workshop damaged transformer shall be reinspected to compare the internal and external shortages noted in the JIR.
	Complete the JIR with the following additional information: (1) External shortages (not already enterned in JIR) (2) Internal shortage (not already entered in JIR)
	(3) Opinion on reason for damage/ defect.
	Forward one copy of the JIR to the Same day divisional office.
	FORM TITLE FORM NO. Transformer movement card TRW-1 Joint inspection report TRW-3

RESPONSIBLE	ACTION	TIMING
SDO/JE repair workshop	Initiate procedure for withdrawal of stores and spares from stores as per procedure laid down in the material accounting manual.	
	Follow procedure for local purchases as laid down in expenses accounting manual.	

RESPONSIBLE	ACTION	TIMING
JE repair workshop	Issue stores and spares to workshop supervisor according to requirement. Maintain a Material Control register for quantity-wise recording of receipt and	Weekly
	issues of stores. 3. While making issues to workshop supervisor update the Material Control register and enter the date of issue therein. Mention name of supervisor and job card number therein.	
Workshop supervisor	 On receipt of stores and spares make entry on the receipt side of memorandum workshop register. This register will be maintained for each item in terms of quantities only. 	
	 Issue stores and spares to workmen according to the requirement for each transformer. 	Daily
	 Enter the issues in the memorandum register giving to the job card number and obtain dated signatures of the workmen therein. 	1
	 Where stores cannot be identified to a particular job, enter the corresponding job card number after the same has beer identified by checking up with the workmen. 	1
	Extract balances in the memorandur register and forward the register to JE.	Month end
	Check the balances of unused store and spares with workshop supervisor. This can be done by scrutinising the journal cards of transformers repaired/ under repair alongwith itemwise break-up.	r. b er
	inworkshop register.	
		68

RESPONSIBLE	ACTION	TIMING
JE Workshop	 10. Sign the memorandum register maintained by workshop supervisor in token of the verification. 11. Check the entries of numbered stores and spares with workshop supervisor and JE and prepare stock verification reports. Follows procedure laid down in material accounting manual for dealing with shortages/excess. 12. Report any discrepancies and shortages or excesses to the SDO. 13. Receive the shortages/excesses report and for further action follow material accounting manual. 	Same dy
	FORM TITLE FORM NO. Register of stock issue/orders ME-7 Memorandum workshop register TRW-6 Stock verification report MAT-54	

RESPONSIBLE	ACTION	TIMING
JE repair workshop	Open a job card from each damaged transformer giving therein the following information :	Immediately
	(1) Serial Number	
	(2) Make	ļ.
	(3) Capacity	
	2. Enter the shortages as per the JIR	
	 Enter the comments of SDO's regarding reasons for damage/defects. 	
SDO's	 Sign the job card after verification of the entries. 	-do-
JE repair workshop	 Note the shortages as per the job card in the TMC and return it to SDO repair workshop. 	-do-
	and the second second	
	The state of the s	
	FORM TITLE FORM NO.	
	Joint Inspection Report TRW-3 Transformer Movement Card TRW-1	
	Transformer Movement Card TRW-1 Job Card TRW-7	

15 Job Cards			
RESPONSIBLE		ACTION	TIMING
JE repair workshop	1,	Issue repairable transformers alongwith job card to workshop supervisor for repairs.	
Supervisor workmen	2.	Read the job card and instruct workmen on the nature of work to be performed. Date of commencement of repair should be noted in the job card.	Second Control
Supervisor .	3.	Remove defective/damaged parts from transformer and enter in relevant column of job card.	
	4.	Replace the parts with new or healthy parts and make corresponding entries in relevant column of job card.	
	5.	Complete the work on transformer and inform supervisor.	As & when
	6.	Check the transformer repaired by workmen.	Immediately
	7.	Verify whether the parts removed from transformer match one to one with new parts used.	
	8.	Remove defective/damaged parts from shop floor. At the same time make an entry in scrap register in numbers or by weight and note page of the register on the job card.	Daily
		Note: This register shall not form part of accounting system. Only such parts removed having a saleable value, and declared as such by competent authority, should be recorded.	
	9.	Verify whether oil and lubricants and other material used is not excessive with respect to norms.	-do-
	10.	Write the reason for excess/	-do-

RESPONSIBLE	ACTION	TIMING	
en e	additional material/spares used in the job card.		
	 On satisfactory examination of repaired transformer, sign the job card and send transformer to testing section. 	Daily	
	 Forward the job card to testing section. 	-do-	
Testing section	 Receive the transformer and carry out performance test. The test should be performed in the presence of JE & AE. 	As & when	
JE	 Inspect the tested transformer and also check the seal to ensure that it is properly fixed. On satisfaction sign the job card. 		
	 Prepare a summary of completed job cards and place before SDO. 	Weekly	
SDO	 Scrutinise the summary and personally inspect repaired transformers with respective job cards. 	As & when	
	 Sign the summary, on full satisfaction, and forward to divisional officer. 		
Divisional Officer	 On receipt of the summary test check some of repaired transformers and give comments/remarks on the job card and sign the same. 		
	Note: Send periodic information to SE,TMR for the inspection of the quality of repair carried out by Board's workshop.		
	FORM TITLE FORM NO.		
	Joint Inspection Report TRW-3		
	Transformer movement Card		
	(TMC) TRW-1		

RESPONSIBLE	ACTION	TIMING
Competent authority	Issue circular to TRW division for ascertaining whether transformers would be economical/uneconomical to repair. As per decision of the Board damaged transformer which had already been repaired twice and those lying unrepaired for more than 5 years should be disposed off.	Annually
JE repair workshop	 Receive the freshly opened job cards and ascertain whether transformer is economical to repair in accordance with guidelines issued by competent authority. 	Immediately
	Issue the repairable transformers to workshop supervisor.	As & when
	 Draw a line across the remaining section of relevant job card of the transformers declared uneconomical or irrepairable. 	Same day
	 Enter reason for declaring the transformer uneconomical to repair/ irrepairable in the relevant column of job card. 	
	Follow steps laid down in subject code 17 for write off of transformers.	
	FORM TITLE FORM NO. Job card TRW-7	

RESPONSIBLE	ACTION	TIMING	
JE repair workshop	Consolidate information of burnt and irrepairable transformers on the basis of respective job cards.	Once every month	
	Prepare survey report for the write off of the transformers.	Immediately	
	 Prepare a list of healthy parts to be retrieved from irrepairable transformers giving description and value of the parts and attach to the survey report. 		
	Present the survey report to SDO.	Same day	
SDO repair workshop	 Receive the survey report and carry out test inspection of transformers. 	Same day	
	 On full satisfaction sign the survey report and forward to divisional officer. 		
Divisional officer	 Receive the survey report, review and test check the transformers listed therein. 		
	 On completion of check, approve the write off of transformers and give sanction if within his competency otherwise forward the survey report, alongwith comments to competent authority. 		
Competent authority	 Receive the survey report, scrutinise, approve and sanction the write off of transformers. 	200000	
	 Return copies of sanctioned survey report to divisional officer and SDO. 		
SDO	 Receive the sanctioned survey report and instruct the JE to have the transformer dismantled. 		
JE	Enter the actual quantities of healthy parts removed from transformer into		

RESPONSIBLE	ACTION	TIMING
41	memorandum workshop register.	
SDO	 Verify the entry in memorandum workshop register with the survey report and details of heathly parts noted therein. 	Same day
	 Report discrepancies, if any, between the quantities as noted on the survey report and the entry in memorandum workshop register to the divisional officer. 	
Divisional office accounts	15. Receive the sanctioned survey report and price the quantities of scrap as per rate fixed by competent authority. Price the healthy parts retrieved from transformers at the rates fixed and approved by competent authority and proceed as under:-	As and when
	(a) When the parts are retained with the works. Their value be debited to Group Head 74.106 to 112 by credit to Group Head 16.105.	
	(b) When the parts are sent to store.	
	Their value should be debited to Group Head 22.239 by credit to Group Head 16.105.	
JE	 Prepare SRW for return of scrap to sub-divisional stores. 	
	 Follow procedure laid down on the subject in material accounting manual. 	
	 Note: Prepare separate SRWs for return of scrap of transformers written off and return of scrap removed from other T/Fs (as per memorandum register maitained by workshop supervisor). 	

RESPONSIBLE	ACTION	TIMING
SDO Divisional office	 Forward the SRW to divisional office. Cross tally the scrap as per SRWs with that noted on the survey report. Draw a double line across TMC and write within "WRITTEN OFF VIDE SURVEY REPORT DATED	Immediately
	pass accounting entry for recovery of heathly parts as given at serial no. 9 of subject code 27.	
	FORM TITLE FORM NO. Transformer Movement Card (TMC) TRW-1 Job Card TRW-7 Store Return Warrant (SRW) MAT-34	

RESPONSIBLE	ACTION	TIMING
SDO/Work shop	Prepare shortage report from SRWs. This report will be prepared capacitywise and distribution division wise separately. Forward the shortage report to divisional office. Note: This shortage will bear reference to external and internal shortages as follows (1) External shortages enterned in TMC (2) Internal shortages noticed at receiving yard-TRW in joint presence.	Month end
	of two officers/officials as per JtR. (3) External or internal shortage other than (1) and (2) noticed jointly by two officers at the workshop. Note: The shortages report should be valued at the latest issue rate available from stores.	
Divisional Accounts Section TRW	Receive duly completed JIRs and SRWs from sub divisional office-repair workshop and SRs from stores sub division alongwith shortage report.	
	JIRs, SRW's and SR's received. 4. Put up the report to divisional officer for his scrutiny and comments.	Within 2 days from the date of
Divisional Officer/ TRW	division alongwith shortage report. 3. Compare entries in shortage report with JIRs, SRW's and SR's received. 4. Put up the report to divisional officer for	Within 2 days from the date receipt

RESPONSIBLE	ACTION	TIMING
Supdt/Divl,A/Cs Divisional Officer/ DS	On receipt of shortage report send extract to DS Division concerned. On receipt of report pass an accounting entry as per Sr. 10 of subject code 27 if not already done on the basis of SRW.	Within one week from the date of receipt
	Refer the case of shortages to competent authority for investigation and decision.	Periodical
	Investigate the shortage & communicate decision to division concerned.	
Divisional Accounts Branch	10. Receive orders from competent authority and in case any amount is determined to be recoverable from other employees, start recovery from the salary of the employee as decided by the competent authority. 11. In case no recovery is to be effected, as per orders from competent authority, pass accounting entry given at serial number 12 of subject code 27 for amount considered to be irrecoverable.	Same month
	FORM TITLE FORM NO. Joint inspection report TRW-3	je.

RESPONSIBLE	ACTION	TIMING
Divisional office	 Receive Bills from sub divisional offices and follow procedure laid down in expense accounting manual for sanction and payment. Charge the expenditure incurred on account of rent, electricity and water charges etc. to the respective account heads. 	Immediately
	 For accounting policies, procedures and entries regarding personnel payments refer to manual on personnel accounting. 	
	Total to manual on parson are accounting.	
	0	3
		11

RESPONSIBLE	ACTION	TIMING
JE-repair workshop	1. After completion of repairs and testing, when the transformers are ready to be despatched to stores, make the following entry into the TMC: (1) Shortages made up-To be written against the TMC corresponding entries made in the TMC when joint inspection was carried out. (2) Technical details of repairs carried out. Note: Also up date duplicate Copy of TMC of transformer concerned preserved in the TRW Division.	
	 Prepare a store return warrant (SRW) in quadruplicate for each transformers separately. Mention therein full particulars of the transformers such as serial number. make, capacity, master number etc. 	
	 Enter the total cost of transformer and accumulated depreciation as per TMC. 	Same day
	 Forward the transformer accompanied by two copies of the SRW to the stores. TMC will also be forwarded with the transformer. 	Same day
	Send two copies of SRW to the accounts section.	Month end
	Receive the SRWs and verify the amounts entered therein.	Immediately
Divisional accounts section (TRW)	 Pass accounting entry given at serial number 12 of subject code 27. 	-do-

RESPONSIBLE	ACTION	TIMING
	Forward one copy of SRW bearing the total cost and accumulated depreciation to sub divisional stores.	Same day
Sub-divisional stores (TRW)	 On receipt of transformer, check whether the TMC has also been forwarded. 	Same day
	 Verify that all the external parts are intact as per TMC. The verification of external parts should e done in the joint presence of two officers. 	Same day
	20	
		= p
£:	FORM TITLE FORM NO Transformer Movement	
	Card TRW-1 Store Return Warrant MAT-34	

RESPONSIBLE	ACTION	TIMING
	A master number shall be allotted to each damaged transformer when received from DS. division.	As & when
JE	Transformers receiving yard sub division (TRW Div.), giving location code first and then the month and year in which transformer is received. In addition, beneath the master No. location No. of TRW Divn. shall be given. For example if damaged transformer is received from Sangrur DS Divn. by SDO/TRW S/Divn. Patiala (Under TRW Divn. Patiala) in 4/87 The complete No. will be 431/4/87 720	
	(431 is location code of Sangrur DS Division. 720 is location code of TRW Divn. Patiala).	
	 For inspection of transformer in TRY Sub Divn. and preparation of GRN see subject code 07. 	
	Transfer repaired transformer to COS as per programme or special requirement.	
JΕ	Prepare SRW without value-for repaired transformers to be transferred to COS and put up to SDO.	As & when
SDO STORE TRW	Check SRW and TMC and sign SRW. Note: Master No. shall invariably be given on the SRW.	Immediately
JE	Send repaired transformer along with SRW and TMC to COS.	Same day

RESPONSIBLE	ACTION	TIMING
SDO Store (COS)	7. Follow procedure for prepari and return of SRW duly ackr as per. Material Accounting Only quantity account shat by COS. When a repaired to is issued to DS Division a control be sent to Sr.XEN/TRW. Transhall be issued without values and Master No. on SR.	nowledged g Manual, all be kept ansformer opy of SR ansformer
Account Section TRW	 On receipt of SR the tra receipt and issued registe got completed. 	
	9. Send IUT bill to DS Divn.o on the basis of SR. According be as per Sr. No.1 (b) of sult 27.	unting will
	SRW M	ORM NO. AT.34
	Transformer receipt &	AT.29 RW 2

RESPONSIBLE	22 - Depreciation ONSIBLE ACTION		
1	No depreciation will be charged or transformers lying for repairs in the TRV division or in Store for the period transformers are physically at the TRV division or Store. Depreciation charge shall be recommended on re-installation of the repaired transformer on the line in the relevant year according to policy for charge of depreciation.		
		SR	

Review the transformer receipt and issue register/transformer for repair register and update the entries on the basis of GRN, SRW and other documents. Prepare a summary of transformers	
2. Prepare a summary of transformers	do
received for repair from distribution divisions giving particulars of transformers as follows: (1) Date of receipt (2) How disposed	
Send the summary to divisional officer Receive the summary prepared at serial	As & when
his scrutiny. 5. Send copies of the summary to the following: (1) Chief Engineer/MM	Every quarter
FORM TITLE FORM NO Transformer for Repair).
Register TRW-4 Transformer Receipt and	
	(1) Date of receipt (2) How disposed (3) Status - if not repaired 3. Send the summary to divisional officer. 4. Receive the summary prepared at serial no. 2 above and put up to Sr.XEN for his scrutiny. 5. Send copies of the summary to the following: (1) Chief Engineer/MM (2) Superintending Engineer/TMF FORM TITLE FORM NO. Transformer for Repair Register TRW-4

RESPONSIBLE	ACTION	TIMING
SDO-repair workshop	Initiate physical verification of spares and consumables with JE.	Ist April
	Carry out the physical verification of inventory in the presence of SDO and prepare inventory list.	
	 Reconcile the difference of physical inventory as per inventory list with memorandum stock record. 	
	 Enter the difference between stock record and physical verification on the inventory list and forward one copy to the divisional office. 	
Divisional office	 On receipt to inventory list extract the price from latest SRs received and value the closing inventory. 	
	Pass accounting entry given at serial no. 13 of subject code 27.	
	 Pass accounting entry for the difference between physical inventory and stock records in accordance with procedure laid down in manual of material accounting. 	
SDO	 Enter the physical balance of inventory as per inventory lists into MECR as the closing balance of current year and the same balances as opening balances of the next year. 	
	 At the beginning of the next year pass accounting entry given of serial no. 14 of subject code 27 to reverse the entry passed at serial no. 6 above. 	
	20	
	FORM TITLE FORM NO. Material Estimate Control Register (MECR) MAT-28	

RESPONSIBLE	al Verification of Transformers at Rece	TIMING
SDO-Receiving	Conduct physical verification of transformer lying in yard.	Quarterly
yard JE	 Prepare a physical verification report of transformers lying at yard and report shortages against each transformer. 	same day
SDO . Accounts section- divisional office	Check the physical verification report and on satisfaction forward to the divisional office. Receive the report and scrutinise it with reference to first copes of JIRs of	Within 4 days
Divisional office	5. Prepare a list of discrepancies if any between JIRs and physical verification report. Mention clearly all shortages determined after the physical verification. 6. Forward the list of discrepancies to divisional office. 7. Receive the list of discrepancies pass and accounting as per sr. no. 10 of subject code no. 27 and initiat departmental procedure for investigating in to the matter,	Same day As & when sof
	FORM TITLE FORM N Joint Inspection Report TRW-3	0.

Annexure 'A'

CONSUMPTION NORMS OF TRANSFORMER OIL

The above mentioned subject for fixing uniform the consumption norms of Transformer oil to be followed in P.S.E.B. in various units, had been considered in WTM's meeting held on 6.3.90 and it was decided that following consumption norms may be followed through out P.S.E.B. with immediate effect:-

		Distribution system	Grid Const- -ruction	Transformer Repair Workshop
a)	Dehydration losses of fresh/ reclaimed oil.	1%	1%	1%
b)	Dehydration losses of old/ dirty oil.	3%	3%	3%
c)	Handling losses during change of oil of OC Bs/ NOCM etc.	2%	N.A.	N.A.
d)	Topping of conventional type DS Transformers.	2 Ltrs. per	year -	928
e)	Handling losses during reconditioning process of Power Transformer.	N.A.	2%	N.A.
f)	Handling losses during repair of Transformers in TRWs.	N.A.	2%	N.A.

- The consumption beyond above norms and consumption due to other reasons such
 as making up of oil level, leakage pilferage etc. may be regarded as abnormal
 consumption and be got accounted for/regularised with the approval of competent
 authority.
- For ensuring full proof accounting of shortages, the accounting entry on account of shortage of material may be passed in TRW Divn. in the first instance. Therefore, the amount placed in Misc. advance may be debited to the D.S. Divn. concerned through IUT Bill.

As the consumption of oil against shortage is regarded as abnormal consumption and adjusted/accounted for only after investigation, the consumption beyond certain limits say 10% to 15% may only be allowed in very exceptional cases. Further the decision regarding recovery of amount on account of shortages may also be affected within a specified period of 4 to 6 months and not linger on for years together as happening presently.

26 Precedure for disposal of cases relating to shortages/loss due to missing parts of damaged transformers and other outdoor equipment.

- After returning the damaged transformer to TRYS/Divn., JE concerned would report the shortages noticed during the Joint Inspection (indicated on SRW & Transformers movement Card) to his SDO. The JE will be responsible to give the following information
- SRW No. & Date_vide which transformers was returned.
- Representatives of TRY S/Divn. & DS Sub Divn. who carried out the Joint Inspection.
 (Note: These should not be below the rank of JE)
- Finding of Joint Inspection. The full extent of the shortages/losses indicating the Qty/ , Length/weight etc. as the case may be and its cost.
- iv) Reasons for & probable time of shortage/loss.
- v) Why it was not possible to detect the shortage/loss before preparing SRW ?
- The defects in or neglect of rules by which the loss was rendered possible and the circumstances which facilitated the loss/shortage.
- On receipt of the information from the JE, the SDO concerned will thoroughly investigate the matter and submit the report with his comments to his Sr./Xen within a month. There could be two types of cases:
- a) Where none is held responsible.
- b) Where an official (s) is held responsible wholly or partly.
- a) Where none is held responsible :

In case the loss is to the extent of 500/- the SDO will write off the amount in terms of Sr. No. 77 of PSEB Delegation of powers provided it has been approved by the Sr.XEN concerned that none is responsible for the loss, and will initiate JV/TEO debiting the account code 79.5 Misc. losses and write offs and crediting account code head 28.870-losses under investigation. A copy of investigation report alongwith JV/TEO will be passed on to Divisional Office for its adjustment in monthly account. Where the loss is more than Rs. 500/- he will pass on the report with his recommendation to the Sr.Xen for further disposal by the latter in terms of Sr. No. 77 of PSEB Delegation of powers. After the amount has been ordered to be finally irrecoverable, SDO will initiate JV/TEO as stated above and get it adjusted in monthly account in the Divisional Office.

b) Where an official is held responsible wholly or partly :

While passing on the report with recommendations to the Sr.Xen, the SDO will specifically point out the name of the official (s) held responsible technically, directly/ indirectly and wholly or partly for the negligence and irregularities. committed in the case. The action taken or proposed to be taken against the official should also be indicate therein. On the basis of report received from the SDO, the Sr.XEN concerned will further investigate the matter and will record his findings thereon and submit the investigation report to Chief Engineer through SE to initiate proceedings. The CE will decide the amount to be recovered/written off.

On receipt of the order of recovery from the competent authority the SDO will initiate JV/TEO debiting amount recoverable from concerned official to account head 28.401/402 (Amount recoverable from employees/Ex-employees) as the case may be and crediting the account head 28.874 (losses under investigation). There may be case (s) where full amount of loss is not ordered to be recovered from the employees and in such a case the amount recoverable will be debited in the name of concerned official under account head 28.401/402 s the case may be and the balance amount will be debited to the account code 79.5 (Misc. losses and write off, crediting the account code 28.870 (losses under investigation)

- Deciding authorities while making decision in such cases will make special reference to the following points:
- The nature and full extent of loss.
- The defects or neglect of the rules by which the loss was rendered possible and circumstances which facilitated the shortages/loss.
- iii) The name of the officials held personally responsible technically, directly or indirectly and wholly or party for the loss shortage etc. and for the irregulariries committed.
- Prospects of recovery of loss from Board employee (s) and ehether disciplinary action needs to be initiated, against the official concerned.
- Remedial measures to safeguard such shortages/losses in future.

Sr.	Sub	Event	Source	General Ledger			
No.	Co.		Docu- ment	Dr.	Cr.		
1.	1. 02.	a) Issue of new trans- former to DS Division by COS. b) Issue of repaired transformer to DS Divisions by COS.	SR SR	32 IUA, Fixed Assets -do- without value	22.303 Without Value		
2.	03.	Installation of new/ repaired transformer at DS Division	Journal voucher or on rece- ipt of IUT bill	10.541/10.542 Fixed asset account —do—-	46.941 Account- ing IUT Bills 37.000 Blank		
3.	06.	Return of damaged transformer to TRW division.	SRW	32 Inter unit account Capital Capital Expd. & fixed assets.	i) 10.541 & 10.542 fixed assets Written down value ii) 12.541/ 12.542 Depreciation provision		
4.	07.	a) Receipt of damaged transformer at TRW	SRW/ GRN	16.411 Damag- ed transfomer	i) 46.941 Credit awaiting IUT Bills ii) 16.421 Accumulated Depreciation		
		b) On receipt of IUT bill c) On receipt of U- Cheque in DS divisions.	IUT Bills U-Cheq-	46.941 Awaiting IUT Bills 37.000 Blank	37.000 Blank code 32 IUA Capital Expenditure & fixed assets.		
5.	08.	a) When repair charges of warranty period transformer intimated by TRW Division.	IUT	37-IUA other transactions	62.930 Other income		

Sr.	Sub	0.000	Source	General Ledger			
No.	Co.		Docu- ment	Dr.	Cr.		
		b) Purchase Section (AO/CPC)	On receipt of IUT bill issue U-Cheque	28,810 Amount recoverable from supplier	37,000 Blank code		
6.	17.	Transformer declared irrepairable/surveyed off	Survey report	16.105 written down value 16.421 Depreciation	16,411 Damaged transformer		
7.	13.	Withdrawal of stores & spares for repair ar TRW Division.	CPV/BR	74.106-112 R&M to transformer	22 Materials S.ock & releiated costs		
8.	17.	Scrap of transformers written off return to stores.	SRW & Survey report	16.421 accumulated deproiation	16.105 plant & machinery (dam- aged transformer) 16.105 Misc.		
9.	17.	Recovery of healthy parts from damaged	Survey report	74.106-112 R & M to Transformer	Revenue receipts		
10.	18.	transformer For shortages noted in joint presence of two officers at TRW Divn.	SRW	28.874 shortage pending investi- gation	62.9 Misc. revenue		
11.	19.	Decision to write off shortages as not rec- overable taken by competent authority	JV Sancti- on of competent authority	account	28.874 shortage pending investi- gation		
12	20.	Repaired transformer transferred to Sub- Divisional Stores	JV & SRW	16.412 Repaired transformer 16.421 Accumulated Depreciation	16.411 Damaged transformer 16.422 Accumulated Depreciation		
13	. 24	Inventory of stores & spares at site.	JV	22.650 Material at site 74.106-112	74.106-112 R & M to transformer 22.650 Material		
14	24.	Reversal of entry at Sr. No. 13	w	R & M to transformer	at site		
				-			

Transformer Movement Card

FORM NO. TRW-1

Seria	No. of Card
Name	e of Store/outlet Value as per SR Rs
Issue	d vide SR Nodtdt. (Historical cost)
1.	Capacity & voltage Ratio
2.	Serial No.
3.	Make with name of supplier
4.	Purchase order No. & date
5.	Warranty period which expires on
6.	Date of inspection & reference
	of page/item No. of register of transformer received & issued
7.	Oil level L.F. Indl. A.P. Genl. S.L. Total
8.	Connected load
9.	Name of S/Divn/Divn/Locality where installed
10.	Damaged on & cause of damage
11.	Report sent to Sr. Xen. (No. & date)
12.	Date of return to TRW Divn. (SRW No. and date)
13.	Dated signatures of JE/SDO

	Shifted from :	1	2	3	4
	Name of S/Divn/Division SRW No. & date				
2.	Received in TRY: Name of division GRN No. & date Signature of SDO/TRY				
3.	In workshop Sub Division : Date of receipt job card No. Amount of repair charges Return to stores on Dated signatures of SDO/Workshop				
4.	When received in stores : GRN No. & date Issue vide SR No. & date Name of S/Divri/Division Dated signature of HSK/SK/ASK				
5.	Receiving division: Name of S/Divn/Division Date of reinstallation Reference of page & item No. of register of transformers				
6.	Connected load : Total of Indl. AP & Genl. load				
7.	Dated signature of				

FORM No. TRW-2 Transformer Receipt and Issue Register Capacity..... Sub Division..... Division..... Location code..... RECEIPT Transferor Name of Transformer SRW Division Transferor_ GRN IUT Bills Sr.No. accepted -Mas-Sign-Make-Location No. date Name of vide U--ter Mfg. ature Original Code Sub Divn. Sr.No. Dt. Board Cheque of Dep. value No. .dt... JE 7 6 5 4 3 2 1 Inspection Debit raised Joint Inspection Report Issue vide IUT Bill Dated sign-Comments Give No. & Name of offl. & Designation Sr. No. Date atures of Date Officers Date-13 12 11 10 9

					RM No. TRW-3			
		Joint Inspection Report						
Division Location code			Ca	apacity	lake			
					No No			
G.P No			. No	Opera				
Date		Date		Sub	siondivisiontion code			
Description	Inspection at Receiving Yard	Ins	pection at Re Workshop	pair	Opinion of Reason			
	(Shortages)	External (Shortage)	Interna Shortage	damage	for Defect/ Damage			
Entered in Tra- nsformer Move- ment card. Others								
Design	SDO/OP	De 2)	Signsign	pected by : (Dated) (Dated)SD0	O/workshop			

PS	SEB										F	ORM	No Ti	RW-4
			Tra	nsfo	rm	er F	or Rep	air R	eais	ter				
.2	ision ation Cod							Operat Locatio	ing div	isio	n			
Sr.	Name of	GRN		W-		_	RANSFORM	MER_	Maste	er	Er	ntry Fo	r Rece	eipt
No.	Transfree Sub-divn.	No./Dat	e No	./Date	Sr.N	Bd.	Make	Cap- acity	No.	- 12	-	advic Date	e No.	JV Date
														530
Total		Per Info	iod gov rma- letter	Wa cost	ansfor arrant	mer	Accumulat	ed Sur rep Ret	nal Disp vey out - J\ urn to re-SRW	Ad /		000	ucher Accum	"
		No.	Date	1 1 1 2 2 2	gister E	ntry ate		No.	date	No.	Date		Depn.	к s

The material procured for repairs of damaged transformers whether by purchase or by drawl from other stores shall be accounted for under the Account Head-22 "Materials Stocks and related Accounts" instead of under Head 74 "Repairs and Maintenance". For this purpose, goods Receipt Notes, Stock Cards, Value ledgers etc. shall be maintained. The procedure as laid down in the Material Accounting Manual for the receipts, Issues and valuation of materials and physical verification of stock etc. shall be followed.

The material for use in the Repair Workshop shall be drawn from stores through store requisition depending upon the number of transformers to be repaired from time to time. The material drawn shall be taken on the Material Estimates, Control Register-Form MAT-28. The material shall be issued to the Foreman/Supervisor on day to day basis. The account of material shall be issued to the Foreman/Supervisor shall be kept by him in the Mamorandum Workshop Register-Form-TRW-6. The prescribed instructions for the maintenance of Material Estimate Control Register and Memorandum Workshop Register shall be followed.

Normally there should be no balance of materials either with the JE or with the Foreman/Supervisor at the close of the year i.e. 31st March. However, the balance of materials in hand, if any, with, JE/Foreman on 31st, March should be physically verified by the SDO and reconciled with the balance as per Materials Estimate Control Register/ Memorandum Workshop Register. The materials in hand shall be evaluated at the latest issue rate and will be adjusted in the accounts of or the month of March every year by debit to Account Code 22.650. O & M Materials at site per contra credit to Account Code 74.107 through JV/TEO. In the month of April, this entry will be reversed.

PSEB						
			War	ranty Co	st Reco	verabl
Sr. No.		JOB C	ARD			
	Make	TRANSF Capacity	Mfg. name and Sr.No.	Sr.No.	No.	Date
		*				
	85					

FORM No. TRW -5

Control Register

Cost Summary	Authority Dated	Intimation sent to Concerned D/S Sub Divn. Dated	Intimation for Recovery of adj- ustment Received from Concerned Authority Dated	Dated Initials of Division Supdt, (Accounts)	Dated Initials of Divnl, Officer

FORM NO. TRW-6

Memorandum Workshop Register

DIVISION:

YEAR:

SUB-DIVISION:

ITEM NAME:

UNIT:

Date	Receipt Quantity	Particulars of Issue/ y Job Card Number	183	SUE	Balance	Dated Sign. of Super- visor	Dated Sign. of JE/AEE in token of Verifi- cation
			Quantity	Dated Sign. of worker	Quantity		
							Cation
				87			

						JOB
					Trans	former Repair
TRANSFOR SERIAL NO MAKE	.;	MFG	D	KVA		
Description	Unit	ENTRY	IN-TMC	External	Internal	Defective parts
(4)		External Qty.	Internal Gty.	Joint Inspection Date Oty.	Joint Inspection Date Oty.	Assessed Qty. Value
COIL		=	A1 1			
BUSH						
ROD				8		
NUT						
CAP			j ij			
BREATHER						
DRAIN						
VALUE						
TEMP.						
GAUGE					1	
WASTE						
T/F OIL						
SUNDRY						
SignSD0		pair Workshop			****	Date
SignSD0	D-Rec	eiving Yard			-	Date
93		ers_part is not st		/8,		
draw a	line a	against the relev	vant entry.			

CARD Worksho		AP RETURNED S.R. No. of	Reasons for Defect/	DA Dir Lo W	No ATEvisioncation Code	Remarks JE/SDO
		Scrap Register			Date of Receipt Remarks Test Certificate No	
Supe	man ervisor	Date Date SRW No	JE Work SignSDO Wo	orkshop D	Jate	

FORM NO. TRW-8 Scrap Register PAGE NO..... DIVISION..... STORE NAME..... SUB DIVISION..... YEAR..... Dated Sig. of Balance JOB CARD Dismentled Returned to Store nature in Hand No. Q.ty. Dated Q.ty. recd Stock No. Date Storeof Register Sign. of SDO keeper Superfolio No. *-visor/ SDO

Register of

(to be maintained in

Name of division.....

Name of Sub division.....

Sr.	Partic	culars of tr	ansforme	rs	Drawn vide	Value
No.	Location	Sr. No.	TMC No.	Date of Installation Energisation	- SR. No. and Date	
1	2	3	4	5	6	7
				1		
			3			

	REPLAC	CED		Damaged Transformer
By new/repaired /W. period	Vide SR No. & date	Value	Ref. to IWR/ MECR EMB	sent to TRW vide SRW No. and date
14	15	16	17	18
				7
			1	

Damaged		former			FORM NO. TRW-9
Divisional office	ce)				Month
					Capacity
Ref. to I WR/ MECR/EMB	EMR Page No.	Date of damage	Cause of damage	Ref. to item No. TRW-10 of Sub-Division	Date of restoration of supply
8	9	10	11	12	13
N	ame of J	E	Dated si	gnature	
	ī		of Sr.	Xen.	98
	19		20		

Register of

(to be maintained in

Name of Sub Division.....

Sr. No.	New/ Repaired	Make Code No.	Sr. No.	TMC No.	Date of installation Energisation	Location	Drawn vide Sr. No, & Date	Value
1	2	3	4	5	6	7	8	9
						1		
			1		1 1	1		1

Replaced by transformer		RW/Store		nd dated	Remarks
at Sr. No. & cross	SRW No.	Date		ature	
reference thereof	1		JE	SDO	
16	17	18	19	20	21
				3	
				3	
			1		
					1
					1
	1				

FORM NO. TRW-10

Transformers

DS Sub Divisional Office)

If new, date expiry of wa ranty period	r-	Ref. to IWR MECR/EMB	Page No.	Dated Sign. of JE & SDO	Date of Damage /replacement	Reasons of replacement
10		11	. 12	13.	14	15

Abstract to be prepared in the Register TRW - 10 (Subject Code) Month.....) Capacity of the Transformers (in K.V.A./Nos.) 15/25 50 63/75 100 200 500 and Total A.-Receipt i) Transformers drawn against damaged (W.N.R.) ii) Transformers drawn against theft cases (T) iii) Transformers drawn against Augmentation/ De-augmentation (A.B) iv) T/Fs received from De-Augmentation/Augmentation. Sub Total (a) v) Transformers drawn for Capital works or SIS (E.I.G.) Sub Total (b) Total Receipt (a+b) = B. Utilization i) Damaged T/Fs (outside W.P.) returned to TRW ii) Damaged T/Fs (within W.P.) returned to store iii) Damaged T/Fs lying in field (Current month) iv) Excess or augmentation/De-augmentation case T/Fs returned to stores v) T/Fs untilized (energized) vi) T/Fs in hand (for utilization) Total B A=B C. Sub Stations i) No. of substations at the end of previous month ii) Added during the month iii) No. of substations at the end of this month i) Lying in the field up to the end of previous month ii) During this month (as per B. iii)

iii) Total at the end of this month

Name of Accounting Unit	unting Unit					ž	T. Name of Sub Division :		L.R.W11
Sr No.	Particulars of		the Daamaged Transformer	ansformer	Damaged on	Value	E.	sturned	Returned to T. R. W.
	Sr. No.	Make	Type	Capacity	Cost	Depreciation	SRW No.	Date	Month of Adjustment
¥	2a	2b	3c	24	43	46	58	55	20
IUT Bill No. & Date		Amount	Date of Ac	Dated initials of Accountant	Reference to Receipt of acknowledged SRW from TRW.		Reference to item No./Page of Form 27 indicating replacement.		Attestation 11
9		7		8	6		10		

	ANNUAL ESTIMATE NO.	STIMATE	NO.		ANNUAL ESTIMATE NO. IN RESPECT OF SUB DIVI	OF		SUBD	SUB DIVISION		
2 45	TO BE SU	BMITTED	ANNUAL	Y IN DIVN	TO BE SUBMITTED ANNUALY IN DIVN. OFFICES.						
λŚ	Location	Feeder	Name	Capa-		Particulars of Damaged Transformers	of Damag	ed Trans	formers		Cost
o N	Code		유	city	whether new or repai- red	Date of Inst- alla- tion	Date of Dama- ged	Cost of dama- ged T/F	Accumu- lated depric- lation	Written cown value	od naw T.F
-	2.	3.	4	3	9	7.	8	oi .	10,	÷	12.
Transpo through Board's	fransporation through Board's	Eraction	Conting Dismer	Contingency Dismente- mente	Total (12+13+14 +15)	Net (16-11)					
venice 13.	ice.	14.	51 15	cnarges 15.	16.	17.					
		ABSTRACT	5								
		A. Che	argeable to (Chargeable to Capital (14.542)	42)						
			(12	(12+13+14)							
		B. Ch	argeable to	Chargeable to Revenue (15)							
			Tot	Total A+B							

Form No. TRW 12 'A'

C. Written down value GH - 10.542 (Col.9)

Minus 12.542 (Col.10)

Net Amount

- D. Estimated Cost
- E. Excess, if any
- F. How Regularised

(Excess over estimate which is more than 5% needs regularisation from Competent Authority by write off or recovery as per Existing Instuctions).

CERTIFICATES - The following certificates may be required:

- Certified that the necessary entry of each & every damaged transformers has been taken on TRW-10 and the quantity & description of transformers taken in this state ment tallies with those entered in TRW-10.
- Certified that Transportation has been arranged through Board's vehicle. No transportation expenditure is to be got done through private parties in any case as per the existing instructions.

Sub Divisional Officer

Form No. TRW-13 ਸੜੇ ਟਰਾਂਸਫਾਰਮਰ ਨੂੰ ਬਦਨਣ ਦੇ ਸਨਾਨਾ ਤਖਮੀਨੇ ਦਾ ਰਜਿਸਟਰ ਕੰਮ ਦਾ ਨਾਂ ਸਾਨ----ਦੋਰਾਨ ਸੜੇ ਹੋਏ ਵੰਡ ਟਰਾਂਸਫਾਰਮਰਾਂ ਨੂੰ ਬਦਲਣ ਦਾ ਸਨਾਨਾ ਤਪਮੀਨਾ ਅਧੀਨ ਉਪ ਮੰਡਲ ਅਧੀਨ ਵੰਡ ਮੰਡਲ ਤਿਆਰ ਕਰਤਾ:- ਉਪ ਮੰਡਲ ਅਫਮਰ----ਚਾਰਜਏਬਲ ਹੈਡ:-ਸਬ ਹੈਡ:-Chargeable Head ਟਰਾਂਸਫਾਰਮਰਾਂ ਦੀ ਕੀਮਤ——ਰ— ਕੰਨਟਨਜੋਸੀ ਦੀ ਕੀਮਤ-----ਰ-ਟਰਾਂਸਪੋਰਟੇਸ਼ਨ ਦੀ ਕੀਮਤ-----ਕੁੱਲ ਕੀਮਤ-----* ਨੋਟ:− ਟਰਾਂਸਪੇਰਟੇਸ਼ਨ ਦਾ ਖਰਚਾ ਤਖਮੀਨਾਂ ਨੂੰ ਤਾਂ ਹੀ ਬੁੱਕ ਕੀਤਾ ਜਾਵੇਗਾ ਜੇ ਮਹਿਕਮੇ ਦੀ ਗੱਡੀ ਦੀ ਵਰਤੇ ਕੀਤੀ ਗਈ ਹੋਵੇ।

Commercial Accounting Systems Vol. X

Manual on Damaged Transformers



PUNJAB STATE ELECTRICITY BOARD 2006