

Illustrative examples for accounting of Repo / Reverse repo transactions
(paragraph 7 of Annex IV)

While in the body of the circular, the term "repo" is used generically to include both repo and reverse repo (which is simply a mirror image of a repo transaction), in this Annex the accounting guidelines have been set out separately for repo and reverse repo for clarity.

A. Repo/Reverse Repo of dated security

1. Details of Repo in a coupon bearing security:	6.35% 2020	
Security offered under repo		
Coupon payment dates	02 January and 02 July	
Market Price of security	Rs.90.9100	(1)
Date of the repo	28-Mar-2010	
Repo interest rate	5.00%	
Tenor of the repo	5 days	
Reversal date for the repo	02-Apr-2010	
Broken period interest for the first leg*	$6.35\% \times 86 / 360 \times 100 =$	(2)
	1.5169	
Cash consideration for the first leg	$(1) + (2) = 92.4269$	(3)
Repo interest**	$92.4269 \times 5/365 \times 5.00\% =$	(4)
	0.0633	
Cash Consideration for the second leg	$(3) + (4) = 92.4269 +$	
	$0.0633 = 92.4902$	

* Using 30/360 day count convention

** Using Actual/365 day count convention

2. Accounting for Repo Seller (Borrower of Funds)

First leg

	Debit	Credit
Cash	92.4269	
Repo A/c		92.4269
Securities recoverable under Repo A/c (by contra)	92.4269	
Securities sold under Repo A/c (by contra)		92.4269

Second Leg

	Debit	Credit
Repo A/c	92.4269	
Repo Interest Expenditure A/c	0.0633	
Cash A/c		92.4902
Securities sold under Repo A/c (by contra)	92.4269	
Securities Receivable under Repo A/c (by contra)		92.4269

Accounting for Repo Buyer (Lender of Funds)

First leg

	Debit	Credit
Reverse Repo A/c	92.4269	
Cash A/c		92.4269
Securities purchased under Reverse Repo A/c (by contra)	92.4269	
Securities Deliverable under Reverse Repo A/c (by contra)		92.4269

Second Leg

	Debit	Credit
Cash A/c	92.4902	
Reverse Repo A/c		92.4269
Reverse Repo Interest Income A/c		0.0633
Securities Deliverable under Reverse Repo A/c (by contra)	92.4269	
Securities Purchased under Reverse Repo A/c (by contra)		92.4269

4. Ledger entries for the adjustment accounts

Securities Receivable under Repo A/c

Debit		Credit	
To Securities Sold under Repo A/c (repo 1 st leg)	92.4269	By Securities Sold under Repo A/c (repo 2 nd leg)	92.4269

Securities Sold under Repo A/c

Debit		Credit	
To Securities Receivable under Repo A/c (repo 2 nd leg)	92.4269	By Securities Receivable under Repo A/c (repo 1 st leg)	92.4269

Securities Purchased under Repo A/c

Debit		Credit	
To Securities Deliverable under Reverse Repo A/c (reverse repo 2 nd leg)	92.4269	By Securities Deliverable under Reverse Repo A/c (reverse repo 2 nd leg)	92.4269

Securities Deliverable under Repo A/c

Debit		Credit	
To Securities purchased under Reverse Repo A/c (reverse repo 2 nd leg)	92.4269	By Securities Purchased under Reverse Repo A/c (reverse repo 1 st leg)	92.4269

5. If the balance sheet date falls during the tenor of the repo, participants may use the transit accounts, i.e., Repo Interest Payable A/c and Reverse Repo Interest Receivable A/c to record the accrued interest and reverse the same the following day. The balances in the repo interest receivable and payable shall be taken to the P & L Account with appropriate entries passed in the Balance sheet, as below:-

Transaction Leg	1st leg	Balance Sheet Date	2nd leg
Dates	28-Mar-10	31-Mar-10	02-Apr-10

(a) Entries in the Books of Repo Seller (borrower of funds) on 31-Mar-10

Account Head	Debit	Credit
Repo Interest Expenditure A/c [Balances under the account to be transferred to P & L]	0.0506 (being the repo interest for 4 days)	
Repo Interest Payable A/c		0.0506

Account Head	Debit	Credit
P & L A/c	0.0506	
Repo Interest Expenditure A/c		0.0506

(b) Reversal of entries in the Books of the Repo Seller (borrower of funds) on 01-Apr-10

Account Head	Debit	Credit
Repo Interest Payable A/c	0.0506	
Repo Interest Expenditure A/c		0.0506

(c) Entries in books of Repo Buyer (Lender of Funds) on 31-Mar-10

Account Head	Debit	Credit
Reverse Repo Interest Receivable A/c	0.0506	
Reverse Repo Interest Income A/c [Balances under the account to be transferred to P&L]		0.0506 (being the repo interest for 4 days)

Account Head	Debit	Credit
Reverse Repo Interest Income A/c	0.0506	
P & L A/c		0.0506

(d) Reversal of entries in the Books of Repo Buyer (Lender of Funds) on 01-Apr-10

Account Head	Debit	Credit
Reverse Repo Interest Income A/c	0.0506	
Reverse Repo Interest Receivable A/c		0.0506

B. Repo/Reverse Repo of Treasury Bill

1. Details of Repo on a Treasury Bill

Security offered under Repo	GOI 90 day Treasury Bill maturing on 07 May 2010	
Price of the security offered under Repo	Rs. 99.0496	(1)
Date of the Repo	28-Mar-2010	
Repo interest rate	5%	
Tenor of the repo	5 days	
Total cash consideration for the first leg	99.0496	(2)

Repo interest*	$99.0496 \times 5\% \times 5/365 = 0.0678$	(3)
Cash consideration for the second leg	$(2) + (3) = 99.0496 + 0.0678 = 99.1174$	

* Using actual/365 day count convention

2. Accounting for Repo Seller (Borrower of Funds)

First leg

	Debit	Credit
Cash	99.0496	
Repo A/c		99.0496
Securities Receivable under Repo A/c (by contra)	99.0496	
Securities Sold under Repo A/c (by contra)		99.0496

Second leg

	Debit	Credit
Repo A/c	99.0496	
Repo Interest Expenditure A/c	0.0678	
Cash A/c		99.1174
Securities Sold under Repo A/c (by contra)	99.0496	
Securities Receivable under Repo A/c (by contra)		99.0496

3. Accounting for Repo Buyer (Lender of Funds)

First leg

	Debit	Credit
Reverse Repo A/c	99.0496	
Cash A/c		99.0496
Securities Purchased under Reverse Repo A/c (by contra)	99.0496	
Securities Deliverable under Reverse Repo A/c (by contra)		99.0496

Second leg

	Debit	Credit
Cash A/c	99.1174	
Reverse Repo A/c		99.0496
Reverse Repo Interest Income A/c		0.0678
Securities Deliverable under Reverse Repo A/c (by contra)	99.0496	
Securities Purchased under Reverse Repo A/c (by contra)		99.0496

**4. Ledger entries for the adjustment accounts
Securities Receivable under Repo A/c**

Debit		Credit	
To Securities Sold under Repo A/c (repo 1 st leg)	99.0496	By Securities Sold under Repo A/c (repo 2 nd leg)	99.0496

Securities Sold under Repo A/c

Debit		Credit	
To Securities Receivable under Repo A/c (repo 2 nd leg)	99.0496	By Securities Receivable under Repo A/c (repo 1 st leg)	99.0496

Securities Purchased under Repo A/c

Debit		Credit	
To Securities Deliverable under Reverse Repo A/c (reverse repo 1 st leg)	99.0496	By Securities Deliverable under Reverse Repo A/c (reverse repo 2 nd leg)	99.0496

Securities Deliverable under Reverse Repo A/c

Debit		Credit	
To Securities Purchased under Repo A/c (reverse repo 2 nd leg)	99.0496	By Securities Purchased under Reverse Repo A/c (reverse repo 1 st leg)	99.0496

5. If the balance sheet date falls during the tenor of the repo, participants may use the transit accounts, i.e. Repo Interest Payable A/c and Reverse Repo Interest Receivable A/c to record the accrued interest and reverse the same the following day. The balances in the repo interest receivable and payable shall be taken to the P & L Account with appropriate entries passed in the Balance sheet, as below:-

Transaction Leg	1 st leg	Balance Sheet Date	2 nd leg
Dates	28-Mar-10	31-Mar-10	02-Apr-10

(a) Entries in the Books of Repo Seller (borrower of funds) on 31-Mar-10

Account Head	Debit	Credit
Repo Interest Expenditure A/c [Balances under the account to be transferred]	0.0543 (being the repo interest for 4 days)	

to P & L]		
Repo Interest Payable A/c		0.0543

Account Head	Debit	Credit
P & L A/c	0.0543	
Repo Interest Expenditure A/c		0.0543

(b) Reversal of entries in the Books of Repo Seller (borrower of funds) on 01-Apr-10

Account Head	Debit	Credit
Repo Interest Payable A/c	0.0543	
Repo Interest Expenditure		0.0543

(c) Entries in books of Repo Buyer (Lender of Funds) on 31-Mar-10

Account Head	Debit	Credit
Reverse Repo Interest Receivable A/c	0.0543	
Reverse Repo Interest Income A/c [Balances under the account to be transferred to P & L]		0.0543 (being the repo interest for 4 days)

Account Head	Debit	Credit
Reverse Repo Interest Income A/c	0.0543	
P & L A/c		0.0543

(d) Reversal of entries in the Books of Repo Buyer (Lender of Funds) on 01-Apr-10

Account Head	Debit	Credit
Reverse Repo Interest Income A/c	0.0543	
Reverse Repo Interest Receivable A/c		0.0543