

Project : Premium Blocks – PRB Staking.

Network : Hardhat

Staking:

<https://testnet.bscscan.com/address/0x03fCd80d866672D7624faA419C422E64a6A516ab#code>

Token: <https://testnet.bscscan.com/address/0x3b9be131725e572228fee878365f62e3fedd27b9#code>

<i>PRBstaking</i>					
Step	Test Case	Expected Result	Pass/Fail	GasConsumed	GasPrice(GWEI)
[TestCase 1: set the minter in the ERC20 token]					
1.1	Replace the minter in the token contract. ✓ ReplaceMinter in the token contract	Yes	Pass	-	-
[TestCase 2: Mint and approve the tokens for the staking contract]					
2.1	Mint function in the Token contract. ✓ Mint 100 token for ten Users	Yes	Pass	-	-
2.2	Approve function in the token contract. ✓ Approve 100 token for the staking	Yes	Pass	-	-
2.3	Admin deposit the tokens for reward. ✓Deposit the reward tokens from the owner	Yes	Pass	-	-

[TestCase 3: stake the tokens in the staking contract]

3.1	Stake function in the staking contract. ✓ testaccount-1 stake the tokens in the staking contract	Yes	Pass	-	-
3.2	Stake function in the staking contract. ✓ testaccount-2 stake the tokens in the staking contract	Yes	Pass	-	-
3.3	Stake function in the staking contract. ✓ testaccount-3 stake the tokens in the staking contract	Yes	Pass	-	-
3.4	Stake function in the staking contract. ✓ testaccount-4 stake the tokens in the staking contract	Yes	Pass	-	-
3.5	Stake function in the staking contract. ✓ testaccount-5 stake the tokens in the staking contract	Yes	Pass	-	-
3.6	Stake function in the staking contract. ✓ testaccount-6 stake the tokens in the staking contract	Yes	Pass	-	-

[TestCase 4: Unstake the tokens in the staking contract]

4.1	<p>Unstake function in stake contract.</p> <p>✓ testaccount-1 Unstake the tokens after 300 days</p> <p>Negative case checked.</p>	Yes	Pass	-	-
4.2	<p>Unstake function in stake contract.</p> <p>✓ testaccount-2 Unstake the tokens after 365 days.</p>	Yes	Pass	-	-
4.3	<p>Unstake function in stake contract.</p> <p>✓ testaccount-2 Unstake the tokens after 400 days.</p>	Yes	Pass	-	-

Staking:

<https://testnet.bscscan.com/address/0x30dd24588585F0eB798141810ae5fFB140DEe889#code>

Token: <https://testnet.bscscan.com/address/0x3b9be131725e572228fee878365f62e3fedd27b9#code>

<i>PRBReaserveStaking</i>					
[TestCase 1: set the minter in the ERC20 token]					
1.1	Replace the minter in the token contract. ✓ ReplaceMinter in the token contract	Yes	Pass	-	-
[TestCase 2: Mint and approve the tokens for the staking contract]					
2.1	Mint function in the Token contract. ✓ Mint 100 token for ten Users	Yes	Pass	-	-
2.2	Approve function in the token contract. ✓ Approve 100 token for the staking	Yes	Pass	-	-
2.3	Admin deposit the tokens for reward. ✓ Deposit the reward tokens from the owner	Yes	Pass	-	-
[TestCase 3: stake the tokens in the staking contract]					

3.1	Stake function in the staking contract. ✓ testaccount-1 stake the tokens in the staking contract	Yes	Pass	-	-
3.2	Stake function in the staking contract. ✓ testaccount-2 stake the tokens in the staking contract	Yes	Pass	-	-
3.3	Stake function in the staking contract. ✓ testaccount-3 stake the tokens in the staking contract	Yes	Pass	-	-
3.4	Stake function in the staking contract. ✓ testaccount-4 stake the tokens in the staking contract	Yes	Pass	-	-
3.5	Stake function in the staking contract. ✓ testaccount-5 stake the tokens in the staking contract	Yes	Pass	-	-
3.6	Stake function in the staking contract. ✓ testaccount-6 stake the tokens in the staking contract	Yes	Pass	-	-
[TestCase 4: Unstake the tokens in the staking contract]					
	UnStake function in the staking contract.				

4.1	✓ testaccount-1 Unstake the tokens after 65 days	Yes	Pass	-	-
4.2	UnStake function in the staking contract. ✓ 4.2 testaccount-2 Unstake the tokens after 365 days	Yes	Pass	-	-
4.3	UnStake function in the staking contract. ✓ 4.3 testaccount-2 Unstake the tokens after 400 days	Yes	Pass	-	-