

AWS RDS PostgreSQL Monthly Cost Estimation

Component	Details	Qty	Per Unit Cost (USD)	Monthly Cost (USD)
Primary DB Instance (Write)	db.t3.medium (2 vCPU, 4 GB RAM)	1	\$40	\$40
Read Replica Instances	db.t3.medium (2 vCPU, 4 GB RAM)	2	\$40	\$80
Storage	100 GB (General Purpose SSD gp2)	100 GB	\$0.12/GB	\$10
Automated Backups	7 Days retention (up to DB size)	Included		\$0
Data Transfer (Same Region)	Internal Communication	Free		\$0

Estimated Monthly Total: \$130 USD (~ 10,800 INR)

Assumptions:

- AWS Region: Asia Pacific (Mumbai)
- Instance Type: db.t3.medium
- Storage: 100 GB General Purpose SSD (gp2)
- Backup: Default 7-day retention
- Read replicas are in the same region

Benefits:

- High availability via read replicas
- Separation of read and write load
- Managed backup, patching, and monitoring by AWS
- Scalable in future with minimal configuration