



**USAID | DELIVER PROJECT**

# vLMIS Design Document

---

**Release: R2**

**Prepared by FO Islamabad Team**

**John Snow Inc.**

**October 3, 2014**



# Contents

<b>Contents .....</b>	3
<b>VERSION .....</b>	17
<b>PURPOSE.....</b>	18
<b>1. INVENTORY MANAGEMENT .....</b>	19
<b>1.1    Table Definition .....</b>	19
<b>1.2    Relationship Diagrams .....</b>	20
1.2.1 Stock .....	20
<b>1.3    Tables .....</b>	21
1.3.1 Table Name: stock_batch .....	21
1.3.2 Table Name: stock_detail .....	23
1.3.3 Table Name: stock_master .....	25
1.3.4 Table Name: vvm_types .....	27
<b>1.3.5    Table Name: transaction_types .....</b>	29
<b>1.4    Models &amp; Controllers .....</b>	31
1.4.1 Receive Search .....	31
1.4.2 Stock Receive (Supplier) .....	32
1.4.3 Stock Receive Warehouse .....	33
1.4.4 Batch Management .....	34
1.4.5 Stock Issue Search .....	35
1.4.6 Stock Issue .....	36
1.4.7 Search Adjustment .....	37
1.4.8 Add Adjustment .....	38
<b>1.5    Screens.....</b>	39
<b>2. WAREHOUSE STOCK PLACEMENT MANAGEMENT .....</b>	44
<b>2.1    Table Definition .....</b>	44
<b>2.2    Relationship Diagrams .....</b>	45
2.2.1 Cold Chain Placement .....	45
2.2.2 Non Cold Chain Placement .....	46
<b>2.3    Tables .....</b>	47
2.3.1 Table Name: rack_information .....	47

2.3.2 Table Name: placements .....	49
2.3.3 Table Name: placement_quantity .....	51
2.3.4 Table Name: placement_locations .....	53
2.3.5 Table Name: non_ccm_locations.....	55
<b>2.4 Models &amp; Controllers .....</b>	<b>58</b>
2.4.1 Manage Location .....	58
2.4.2 Location Status.....	59
2.4.3 Stock Pick.....	60
<b>2.5 Screens.....</b>	<b>61</b>
<b>3. GATEPASS MANAGEMENT.....</b>	<b>64</b>
<b>3.1 Table Definition .....</b>	<b>64</b>
<b>3.2 Relationship Diagrams .....</b>	<b>65</b>
3.2.1 Gatepass.....	65
<b>3.3 Tables .....</b>	<b>66</b>
3.3.1 Table Name: gatepass_vehicles .....	66
3.3.2 Table Name: gatepass_master.....	68
3.3.3 Table Name: gatepass_detail.....	70
<b>3.4 Models &amp; Controllers .....</b>	<b>72</b>
3.4.1 New Gatepass.....	72
3.4.2 Gatepass List .....	73
<b>3.5 Screens.....</b>	<b>74</b>
<b>4. CAMPAIGNS MANAGEMENT .....</b>	<b>75</b>
<b>4.1 Table Definition .....</b>	<b>75</b>
<b>4.2 Relationship Diagrams .....</b>	<b>76</b>
4.2.1 Campaigns .....	76
4.2.2 Campaign Targets .....	77
4.2.3 Campaign Readiness.....	78
4.2.4 Campaign Readiness Union Council.....	79
4.2.5 Campaign Data.....	80
4.2.6 LQAS Data .....	81
<b>4.3 Tables .....</b>	<b>82</b>

4.3.1 Table Name: campaigns .....	82
4.3.2 Table Name: campaign_types .....	84
4.3.3 Table Name: campaign_targets.....	86
4.3.4 Table Name: campaign_readiness .....	88
4.3.5 Table Name: campaign_readiness_union_council .....	90
4.3.6 Table Name: campaign_data.....	92
4.3.7 Table Name: campaign_lqas_data.....	96
4.3.8 Table Name: campaign_districts.....	98
4.3.9 Table Name: campaign_item_pack_sizes .....	100
<b>4.4 Models &amp; Controllers .....</b>	<b>102</b>
4.4.1 Add Campaign .....	102
4.4.2 Data Entry History .....	103
4.4.3 Search Campaign .....	104
4.4.4 Campaign Types .....	105
4.4.5 Campaigns Target .....	106
4.4.6 LQAS Data Entry.....	107
4.4.7 New Data Entry.....	108
4.4.8 Reported Ucs .....	109
4.4.9 Campaign Readiness.....	110
4.4.10 Campaign Readiness UC .....	112
<b>4.5 Screens.....</b>	<b>113</b>
<b>4.6 Table Definition.....</b>	<b>119</b>
<b>4.7 Relationship Diagrams .....</b>	<b>120</b>
4.7.1 Lists (Lookup Values) .....	120
<b>4.8 Tables .....</b>	<b>121</b>
4.8.1 Table Name: system .....	121
4.8.2 Table Name: list_detail.....	122
4.8.3 Table Name: list_master.....	124
<b>5. COLD CHAIN EQUIPMENT MANAGEMENT .....</b>	<b>126</b>
<b>5.1 Table Definition.....</b>	<b>126</b>
<b>5.2 Relationship Diagrams .....</b>	<b>127</b>

5.2.1 Cold Chain Assets Makes & Models.....	127
5.2.2 Cold Chain Assets Status History .....	128
5.2.3 Cold Chain Asset Transfer History.....	129
5.2.4 Cold Chain Assets Registration .....	130
5.2.5 Cold Chain Others .....	131
<b>5.3 Tables .....</b>	<b>132</b>
5.3.1 Table Name: ccm_asset_types .....	132
5.3.2 Table Name: ccm_cold_rooms .....	134
5.3.3 Table Name: ccm_equipment_types.....	138
5.3.4 Table Name: ccm_generators.....	140
5.3.5 Table Name: ccm_generators_use .....	142
5.3.6 Table Name: ccm_history .....	144
5.3.7 Table Name: ccm_makes .....	146
5.3.8 Table Name: ccm_models .....	148
5.3.9 Table Name: ccm_status_history.....	151
5.3.10 Table Name: ccm_status_list .....	153
5.3.11 Table Name: ccm_transfer_history .....	155
5.3.12 Table Name: ccm_vehicles .....	157
5.3.13 Table Name: ccm_voltage_regulators.....	159
5.3.14 Table Name: cold_chain .....	161
5.3.15 Table Name: ccm_warehouses .....	165
5.3.16 Table Name: ccm_warehouses_solar_energy.....	167
5.3.17 Table Name: ccm_warehouses_vaccination_staff .....	169
5.3.18 Table Name: ccm_human_resources .....	171
<b>5.4 Models &amp; Controllers .....</b>	<b>173</b>
5.4.1 Search Refrigerator .....	173
5.4.2 Add Refrigerator .....	174
5.4.3 Search Vaccines Carriers.....	176
5.4.4 Add Vaccine Carrier .....	177
5.4.5 Search Ice Pack .....	178
5.4.6 Add Ice Packs.....	179

5.4.7 Search Cold Room .....	180
5.4.8 Add Cold Room .....	181
5.4.9 Search Voltage Regulator.....	182
5.4.10     Add Voltage Regulator .....	183
5.4.11     Search Generator .....	184
5.4.12     Add Generator .....	185
5.4.13     Search Transport.....	186
5.4.14     Add Transport.....	187
5.4.15     Asset Status Update.....	188
<b>5.5     Screens.....</b>	<b>190</b>
<b>5.6     Models &amp; Controllers .....</b>	<b>199</b>
5.6.1 Manage Health Facility .....	199
<b>Add Health Facility.....</b>	<b>200</b>
<b>Update Health Facility.....</b>	<b>201</b>
Controller: ManageHealthFacility .....	201
Model:Warehouses .....	201
Controller: Index.....	201
Model:Warehouses .....	201
Model:Locations .....	201
5.6.2 Manage Users.....	202
<b>Add User .....</b>	<b>203</b>
<b>Update User .....</b>	<b>204</b>
5.6.3 Manage Lists .....	205
<b>Add List Value.....</b>	<b>206</b>
<b>Update List Value .....</b>	<b>207</b>
5.6.4 Manage Asset Sub Types .....	208
<b>Add Asset Sub Type.....</b>	<b>209</b>
<b>Update Asset Sub Type.....</b>	<b>210</b>
5.6.5 Manage CCM Status Lists.....	211
<b>Add CCM Status List .....</b>	<b>212</b>
<b>Update CCM Status List .....</b>	<b>213</b>

5.6.6 Manage Makes .....	214
<b>Add Make .....</b>	<b>215</b>
<b>Update Make .....</b>	<b>216</b>
5.6.7 Manage Models .....	217
<b>Add Model .....</b>	<b>218</b>
<b>Update Model .....</b>	<b>219</b>
5.7 Screens.....	220
<b>6. ITEMS MANAGEMENT.....</b>	<b>230</b>
6.1 Table Definition.....	230
6.2 Relationship Diagrams .....	231
6.2.1 Items .....	231
6.3 Tables .....	232
6.3.1 Table Name: items .....	232
6.3.2 Table Name: item_pack_sizes .....	234
6.3.3 Table Name: Item_categories .....	236
6.3.4 Table Name: Item_units .....	238
<b>7. STAKEHOLDERS MANAGEMENT .....</b>	<b>240</b>
7.1 Table Definition.....	240
7.2 Relationship Diagrams .....	241
7.2.1 Stakeholders .....	241
7.3 Tables .....	242
7.3.1 Table Name: stakeholders .....	242
7.3.2 Table Name: stakeholder_item_pack_sizes .....	244
7.3.3 Table Name: stakeholder_sectors .....	247
7.3.4 Table Name: stakeholder_types .....	249
7.3.5 Table Name: stakeholder_activities.....	251
<b>8. USERS MANAGEMENT .....</b>	<b>253</b>
8.1 Table Definition.....	253
8.2 Relationship Diagrams .....	254
8.2.1 Users .....	254
8.3 Tables .....	255

8.3.1 Table Name: users .....	255
<b>9. LOCATION MANAGEMENT.....</b>	<b>258</b>
<b>9.1</b> Table Definition .....	258
<b>9.2</b> Relationship Diagrams .....	258
9.2.1 Locations .....	258
<b>9.3</b> Tables .....	259
9.3.1 Table Name: locations .....	259
9.3.2 Table Name: locations_types .....	261
9.3.3 Table Name: geo_level.....	263
9.3.4 Table Name: location_populations .....	265
<b>9.4</b> Models & Controllers .....	267
<b>Admin Module.....</b>	<b>267</b>
9.4.1 Manage Products (Product) .....	267
<b>Add Product .....</b>	<b>268</b>
<b>Update Product .....</b>	<b>269</b>
9.4.2 Manage Products (Setup Barcode) .....	270
<b>Add Setup .....</b>	<b>271</b>
<b>Update Setup .....</b>	<b>272</b>
<b>Detail Setup.....</b>	<b>273</b>
9.4.3 Manage Products (Item Categories) .....	274
<b>Add Item Category .....</b>	<b>275</b>
<b>Update Item Category .....</b>	<b>276</b>
9.4.4 Manage Products (VVM Types) .....	277
<b>Add VVM Type.....</b>	<b>278</b>
<b>Update VVM Type.....</b>	<b>279</b>
9.4.5 Manage Products (Transaction Types) .....	280
<b>Add Transaction Type.....</b>	<b>281</b>
<b>Update Transaction Type.....</b>	<b>282</b>
9.4.6 Manage Products (Item Units) .....	283
<b>Add Item Unit.....</b>	<b>284</b>
<b>Update Item Unit.....</b>	<b>285</b>

9.4.7 Manage Products (Item Groups) .....	286
<b>Add Item Group</b> .....	<b>287</b>
<b>Update Item Group</b> .....	<b>288</b>
9.4.8 Manage Stakeholders (Stakeholders) .....	289
<b>Add Stakeholder</b> .....	<b>290</b>
<b>Update Stakeholder</b> .....	<b>291</b>
9.4.9 Manage Stakeholders (Office) .....	292
<b>Add Office</b> .....	<b>293</b>
<b>Update Office</b> .....	<b>294</b>
9.4.10     Manage Stakeholders (Manufacturer) .....	295
<b>Add Manufacturer</b> .....	<b>296</b>
<b>Update Manufacturer</b> .....	<b>297</b>
9.4.11     Manage Stakeholders (Stakeholder Activities) .....	298
<b>Add Stakeholder Activity</b> .....	<b>299</b>
<b>Update Stakeholder Activity</b> .....	<b>300</b>
9.4.12     Manage Stakeholders (Stakeholder Types) .....	301
<b>Add Stakeholder Type</b> .....	<b>302</b>
<b>Update Stakeholder Activity</b> .....	<b>303</b>
9.4.13     Manage Stakeholders (Stakeholder Sectors) .....	304
<b>Add Stakeholder Sector</b> .....	<b>305</b>
<b>Update Stakeholder Sector</b> .....	<b>306</b>
9.4.14     Manage Stakeholders (Stakeholder Items) .....	307
9.4.15     Manage Locations (Location Types).....	308
<b>Add Location Type</b> .....	<b>309</b>
<b>Update Location Type</b> .....	<b>310</b>
9.4.16     Manage Locations (Add Locations) .....	311
<b>Add Locations</b> .....	<b>312</b>
<b>Update Locations</b> .....	<b>313</b>
9.4.17     Manage Store Facilities (Routine).....	314
<b>Add Store Facility</b> .....	<b>315</b>
<b>Update Store Facility</b> .....	<b>316</b>

9.4.18	Manage Store Facilities (Campaign Teams).....	317
<b>Add Campaign Team</b>	.....	<b>318</b>
<b>Update Campaign Team</b>	.....	<b>319</b>
9.4.19	Manage Store Facilities (Inventory).....	320
<b>Add Store Facility</b>	.....	<b>321</b>
<b>Update Store Facility</b>	.....	<b>322</b>
9.4.20	Manage Users (Routine Immunization->Users).....	323
<b>Add User</b>	.....	<b>324</b>
<b>Update User</b>	.....	<b>325</b>
9.4.21	Manage Users (Routine Immunization-> Update Cluster Leads) .....	326
9.4.22	Manage Users (Campaigns Users) .....	327
<b>Add User</b>	.....	<b>328</b>
<b>Update User</b>	.....	<b>329</b>
9.4.23	Manage Users (IM Users) .....	330
<b>Add IM User</b>	.....	<b>331</b>
<b>Update IM User</b>	.....	<b>332</b>
9.4.24	Manage Users (Policy Users) .....	333
<b>Add Policy User</b>	.....	<b>334</b>
<b>Update Policy User</b>	.....	<b>335</b>
<b>9.5</b>	Screens.....	<b>336</b>
<b>10. USER RIGHT MANAGEMENT</b>	.....	<b>356</b>
<b>10.1</b>	Table Definition.....	<b>356</b>
<b>10.2</b>	Relationship Diagrams .....	<b>357</b>
10.2.1	Roles .....	357
<b>10.3</b>	Tables .....	<b>358</b>
10.3.1	Table Name: roles.....	358
10.3.2	Table Name: role_resources .....	360
10.3.3	Table Name: resource_types.....	362
10.3.4	Table Name: resources .....	364
<b>10.4</b>	Models & Controllers .....	<b>366</b>
10.4.1	Manage ACL (Assign Role Resources) .....	366

<b>Assign Resources to Roles .....</b>	367
10.4.2    Manage Resources.....	368
<b>Add Resource .....</b>	369
<b>Update Resource .....</b>	370
10.4.3    Manage Roles .....	371
<b>Add Role .....</b>	372
<b>Update Role .....</b>	373
10.5    Screens.....	374
<b>11. WAREHOUSES MANAGEMENT .....</b>	378
11.1    Table Definition.....	378
11.2    Relationship Diagrams .....	379
11.2.1    Warehouses .....	379
11.2.2    Warehouses Service Types .....	380
11.2.3    Warehouse Vaccine Storage Types .....	381
11.2.4    Warehouse Vaccine Supply Schedule.....	382
11.2.5    Warehouse Update History and Population .....	383
11.3    Tables .....	384
11.3.1    Table Name: warehouses_data .....	384
11.3.2    Table Name: warehouses .....	386
11.3.3    Table Name: warehouse_users .....	388
11.3.4    Table Name: warehouse_types .....	390
11.3.5    Table Name: warehouses_service_types .....	392
11.3.6    Table Name: warehouse_population .....	394
11.3.7    Table Name: warehouse_population_archieve.....	396
11.3.8    Table Name: warehouse_storage_types .....	398
11.3.9    Table Name: warehouse_vaccine_storage_types .....	400
11.3.10    Table Name: warehouse_types_vaccine_supply_schedule .....	402
11.3.11    Table Name: warehouse_vaccine_supply_schedules.....	404
11.3.12    Table Name: warehouses_update_history .....	406
<b>12. WEB MAPING MANAGEMENT .....</b>	408
12.1    Table Definition.....	408

<b>12.2</b>	Relationship Diagrams .....	409
12.2.1	Indicators with Colors of Interval Classification.....	409
12.2.2	Geo Levels Location and Maps .....	410
<b>12.3</b>	Tables .....	411
12.3.1	Table Name: geo_color .....	411
<b>12.3.2</b>	Table Name: <b>geo_maps</b> .....	412
12.3.3	Table Name: geo_indicator_values .....	414
12.3.4	Table Name: geo_indicators .....	416
<b>12.3.5</b>	Table Name: <b>geo_locations</b> .....	417
12.3.6	Table Name: map_district_mapping .....	419
12.3.7	Table Name: pilot_districts.....	421
<b>12.4</b>	Models & Controllers .....	423
12.4.1	Month of Stock .....	423
12.4.2	Consumption.....	423
12.4.3	Reporting Rate .....	423
12.4.4	Wastages .....	423
12.4.5	Wastages vs. Reporting Rate .....	424
12.4.6	Expiry Alert .....	424
12.4.7	Vaccine Coverage.....	424
12.4.8	Cold Chain Capacity .....	425
<b>12.5</b>	Screens.....	426
<b>13. DASHBOARD REPORTS &amp; GRAPH MANAGEMENT</b>	.....	430
<b>13.1</b>	Table Definition .....	430
<b>13.2</b>	Relationship Diagrams .....	431
13.2.1	Month of Stock .....	431
<b>13.3</b>	Tables .....	432
13.3.1	Table Name: reports .....	432
13.3.2	Table Name: report_options .....	433
13.3.3	Table Name: mos_scale .....	434
13.3.4	Table Name: period .....	436
13.3.5	Table Name: summary_district.....	437

13.3.6	Table Name: summary_national.....	439
13.3.7	Table Name: summary_provincial .....	441
13.3.8	Table Name: summary_tehsil .....	443
13.3.9	Table Name: summary_union_council .....	445
<b>13.4</b>	<b>Dashboard Models &amp; Controllers.....</b>	<b>448</b>
13.4.1	Dashboard (National Level).....	448
13.4.2	Dashboard (Provincial Level).....	450
13.4.3	Dashboard (District Level) .....	453
<b>13.5</b>	<b>Screens.....</b>	<b>456</b>
<b>13.6</b>	<b>Reports Models &amp; Controllers .....</b>	<b>459</b>
13.6.1	Summary Reports (National Report).....	459
13.6.2	Summary Reports (Provincial Report).....	460
13.6.3	Summary Reports (District Report) .....	461
13.6.4	Summary Reports (Tehsil Report).....	462
13.6.5	Summary Reports (UC Report) .....	463
13.6.6	Summary Reports (Stock Availability Report).....	464
13.6.7	Yearly Reports (Provincial Yearly Report) .....	465
13.6.8	Yearly Reports (Districts Report).....	466
13.6.9	Yearly Reports (Reporting and Wastages Report) .....	467
13.6.10	Yearly Reports (Shipment Report).....	468
13.6.11	Monthly Provincial Reports (AMC).....	469
13.6.12	Monthly Provincial Reports (Month of Stock).....	470
13.6.13	Monthly Provincial Reports (Consumption).....	471
13.6.14	Monthly Provincial Reports (Stock on Hand) .....	472
13.6.15	Data Performance (Shipment Report) .....	473
13.6.16	Data Performance (Reported Provinces).....	474
13.6.17	Data Performance (Non Reported Districts).....	475
13.6.18	Data Performance (Non Reported Districts ->By Facility) .....	476
13.6.19	Data Performance (Non Reported Districts ->By UC) .....	477
13.6.20	Data Performance (Reported Districts ->By UC) .....	478
13.6.21	Data Performance (Reported Districts ->By User) .....	479

13.6.22	Data Performance (Reported Districts ->By Facility) .....	480
13.6.23	Other (Federal Provincial Warehouse).....	481
13.6.24	Campaign Summary (Coverage) .....	482
13.6.25	Campaign Detail (Coverage) .....	482
13.6.26	Catch Up.....	483
13.6.27	Coverage Missed Children.....	484
13.6.28	Status of NIDs.....	485
13.6.29	Vaccine Utilization and Wastage .....	486
13.6.30	Storage (Capacity at +2c to +8c) .....	487
13.6.31	Storage (Capacity at -20c).....	488
13.6.32	Storage (Coldbox And Vaccine Carrier Capacity) .....	489
13.6.33	Storage (Capacity Shortages +4C) .....	490
13.6.34	Storage (Capacity Shortages -20C) .....	491
13.6.35	Inventory (All Cold Chain Equipment).....	492
13.6.36	Refrigerators Freezer (All Cold Chain Equipment) .....	493
13.6.37	Refrigerators Freezer (Refrigerator/Freezers Models By Working Status) ....	494
13.6.38	Refrigerators Freezer (Refrigerator/Freezers Models By Age Group) .....	495
13.6.39	Refrigerators Freezer (Refrigerator/Freezers Utilization).....	496
13.6.40	Refrigerators Freezer (Distribution Of Refrigerator/Freezers By Model & Facility Type).....	497
13.6.41	Refrigerators Freezer (Distribution Of CFC- Free Equipment By Facility Type)	498
13.6.42	Refrigerators Freezer (Refrigerators/Freezers Not Working Or Needs Service)	499
13.6.43	Refrigerators Freezer (Refrigerators/Freezers Not In Use) .....	500
13.6.44	Cold Rooms (4 and -20 By Model And Working Status).....	501
13.6.45	Cold Rooms (Cold Room Facilities And Working Status).....	502
13.6.46	Cold Boxes (Cold Box And Vaccine Carriers By Working Status).....	503
13.6.47	Cold Boxes (Cold Boxes/Carriers Quantity) .....	504
13.6.48	Generators and Stabilizers (Standby Generators By Facility Type And Working Status) .....	505
13.6.49	Generators and Stabilizers (Voltage Stabilizers and Regulators Working Status)	506
<b>13.7</b>	Screens.....	507
<b>13.8</b>	Graphs Models & Controllers .....	527

13.8.1	IM Graphs (Comparison Graphs) .....	527
13.8.2	IM Graphs (Simple Graphs) .....	529
13.8.3	CCEM Graphs (Storage-> Capacity at +2° to +8°C).....	530
13.8.4	CCEM Graphs (Storage-> Capacity at -20°C ).....	531
13.8.5	CCEM Graphs (Storage-> Icepack Capacity RI) .....	532
13.8.6	CCEM Graphs (Refrigerator Freezers-> Refrigerators/Freezers Models By Age Group)	533
13.8.7	CCEM Graphs (Refrigerator Freezers-> Refrigerators/Freezers Utilization) .	534
13.8.8	CCEM Graphs (Cold Boxes-> Coldbox and Vaccine Carriers Working Status)	535
13.8.9	CCEM Graphs (Cold Boxes-> Cold Boxes/Carriers Qunty) .....	536
13.8.10	CCEM Graphs (Generators Stabilizers-> Refrigerators With Stabilizers).....	537
13.8.11	CCEM Graphs (Generators Stabilizers-> Working Status of Standby Generator By Model) .....	538
<b>13.9</b>	<b>Screens.....</b>	<b>540</b>
<b>13.10</b>	<b>Explorer Models &amp; Controllers .....</b>	<b>545</b>
13.10.1	vLMIS Explorer.....	545
<b>13.11</b>	<b>Screens.....</b>	<b>546</b>
<b>14.</b>	<b>DATABASE FUNCTIONS, STORE PROCEDURES &amp; TRIGGERS .....</b>	<b>547</b>
<b>14.1</b>	<b>Functions .....</b>	<b>547</b>
<b>14.2</b>	<b>Store Procedures .....</b>	<b>551</b>
<b>14.3</b>	<b>Triggers .....</b>	<b>552</b>
14.3.1	Summary_districts .....	552
14.3.2	Summary_provincial .....	553
14.3.3	Summary_tehsill.....	554
14.3.4	Summary_union_council .....	555

# **VERSION**

<b>Name</b>	<b>Date</b>	<b>Reason For Changes</b>	<b>Version</b>
Pakistan Field Office	May 2014		1.0
Pakistan Field Office	October 2014		2.0

# **PURPOSE**

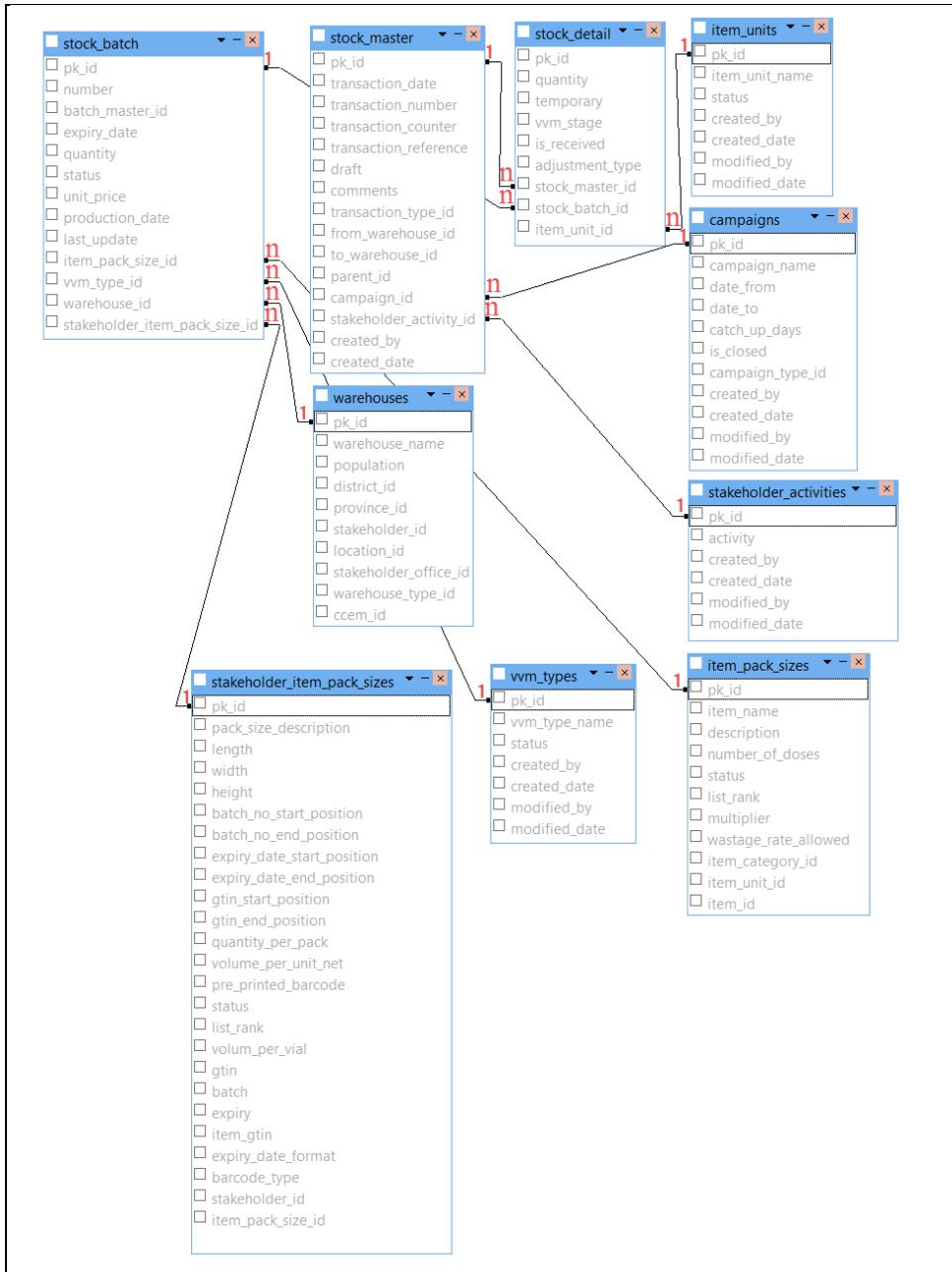
# **1. INVENTORY MANAGEMENT**

## **1.1 Table Definition**

<b>Sr No.</b>	<b>Table Name</b>	<b>Definition</b>
1.	<b>stock_batch</b>	Maintain the stock batch.
2.	<b>stock_detail</b>	Maintain the stock detail.
3.	<b>stock_master</b>	Definition of stock master.
4.	<b>vvm_types</b>	Definitions of vaccine vial monitor types.
5.	<b>transaction_types</b>	Definition of transaction types.

## 1.2 Relationship Diagrams

### 1.2.1 Stock



## 1.3 Tables

### 1.3.1 Table Name: stock\_batch

This table is used to manage the stock batch.

#### 1.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
number	Specify the batch number.	Varchar	100	Yes
batch_master_id	Specify the batch master ID.	Int	11	Yes
expiry_date	Specify the expiry date.	Datetime	0	Yes
quantity	Specify the quantity.	Bigint	20	Yes
status	Specify the status.	Enum	0	Yes
unit_price	Specify the unit price.	Float	0	Yes
production_date	Specify the production date.	Datetime	0	Yes
last_update	Specify the date and time of last update.	Datetime	0	Yes
item_pack_size_id	Specify the item pack size ID.	Int	11	No
vvm_type_id	Specify the vaccine vial monitor ID.	Int	11	No
warehouse_id	Specify the warehouse ID.	Int	11	No
stakeholder_item_pack_size_id	Specify the stakeholder item pack size ID.	Int	11	Yes

### 1.3.1.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete
stock_batch_item_pack_sizes_fk1	item_pack_size_id	r2	item_pack_sizes	pk_id	RESTRICT
stock_batch_vvm_types_fk2	vvm_type_id	r2	vvm_types	pk_id	RESTRICT
stock_batch_warehouses_fk3	warehouse_id	r2	warehouses	pk_id	RESTRICT
stock_batch_stakeholder_item_pack_sizes_fk4	stakeholder_item_pack_size_id	r2	stakeholder_item_pack_sizes	pk_id	RESTRICT

### 1.3.1.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stock_batch_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE
stock_batch_vvm_type_id_vvm_types_pk_id	vvm_type_id	Normal	BTREE
stock_batch_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
stock_batch_stakeholder_item_pack_size_id_stakeholder_item_pack_sizes_pk_id	stakeholder_item_pack_size_id	Normal	BTREE

### **1.3.2 Table Name: stock\_detail**

This table is used to store the stock detail.

#### **1.3.2.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
quantity	Specify the quantity.	Bigint	20	Yes
temporary	Specify if it is temporary.	Tinyint	1	Yes
vvm_stage	Specify the vaccine vial stage.	Varchar	100	Yes
is_received	Specify if the stock is received.	Tinyint	1	Yes
adjustment_type	Specify the adjustment type.	Tinyint	1	Yes
stock_master_id	Specify the stock master ID.	Int	11	No
stock_batch_id	Specify the stock batch ID.	Int	11	No
item_unit_id	Specify the item unit ID.	Int	11	No

### 1.3.2.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
stock_detail_stock_master_fk1	stock_master_id	r2	stock_master	pk_id	RESTRICT
stock_detail_stock_batch_fk2	stock_batch_id	r2	stock_batch	pk_id	RESTRICT
stock_detail_item_units_fk3	item_unit_id	r2	item_units	pk_id	RESTRICT

### 1.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stock_detail_stock_master_id_stock_master_pk_id	stock_master_id	Normal	BTREE
stock_detail_stock_batch_id_stock_batch_pk_id	stock_batch_id	Normal	BTREE
stock_detail_item_unit_id_item_units_pk_id	item_unit_id	Normal	BTREE

### 1.3.3 Table Name: stock\_master

This table is used to store the stock transactional data.

#### 1.3.3.1 *Table Properties:*

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
transaction_date	Specify the transaction date.	Datetime	0	Yes
transaction_number	Specify the transaction number.	Varchar	100	Yes
transaction_counter	Specify the transaction counter.	Int	11	Yes
transaction_reference	Specify the transaction reference.	Varchar	255	Yes
draft	Specify the draft.	Tinyint	1	Yes
comments	Specify the comments.	Text	0	Yes
transaction_type_id	Specify the transaction type ID.	Int	11	No
from_warehouse_id	Specify the ID of stock sending warehouse.	Int	11	No
to_warehouse_id	Specify the ID of stock receiving warehouse.	Int	11	No
parent_id	Specify the parent ID.	Int	11	No
campaign_id	Specify the campaign ID.	Int	11	No
stakeholder_activity_id	Specify the stakeholder activity ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes

### 1.3.3.2 Relationships:

Table Names	Fields	Referenced	Referenced Table	Referenced Fields	On Delete/ On Update
stock_master_transaction_types_fk1	transaction_type_id	r2	transaction_types	pk_id	RESTRICT
stock_master_warehouses_fk2	from_warehouse_id	r2	warehouses	pk_id	RESTRICT
stock_master_warehouses_fk3	to_warehouse_id	r2	warehouses	pk_id	RESTRICT
stock_master_campaigns_fk4	campaign_id	r2	campaigns	pk_id	RESTRICT
stock_master_stakeholder_activities_fk5	stakeholder_activity_id	r2	stakeholder_activities	pk_id	RESTRICT
stock_master_users_fk6	created_by	r2	users	pk_id	RESTRICT

### 1.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stock_master_transaction_type_id_transaction_types_pk_id	transaction_type_id	Normal	BTREE
stock_master_from_warehouse_id_warehouses_pk_id	from_warehouse_id	Normal	BTREE
stock_master_to_warehouse_id_warehouses_pk_id	to_warehouse_id	Normal	BTREE
stock_master_campaign_id_campaigns_pk_id	campaign_id	Normal	BTREE
stock_master_stakeholder_activity_id_stakeholder_activities_pk_id	stakeholder_activity_id	Normal	BTREE
stock_master_created_by_users_pk_id	created_by	Normal	BTREE

### **1.3.4 Table Name: vvm\_types**

This table is used to manage the vaccine vial monitor types.

#### **1.3.4.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
vvm_type_name	Specify the type name of vaccine vial monitor.	Varchar	255	Yes
status	Specify the status.	Tinyint	1	Yes
item_pack_size_id	Spcify the item pack size ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 1.3.4.2 Relationships:

Table Names	Fields	Reference	Referenced	Reference	On
		d	Table	d Fields	Delete/O n Update
vvm_types_item_pack_sizes_fk1	item_pack_size_id	r2	Item_pack_size_s	pk_id	RESTRICT
vvm_types_users_fk1	created_by	r2	users	pk_id	RESTRICT
vvm_types_users_fk2	modified_by	r2	users	pk_id	RESTRICT

#### 1.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
vvm_types_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE
vvm_types_created_by_users_pk_id	created_by	Normal	BTREE
vvm_types_modified_by_users_pk_id	modified_by	Normal	BTREE

### **1.3.5 Table Name: transaction\_types**

This table is used to store transaction type's information.

#### **1.3.5.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
transaction_type_name	Specify the transaction type name.	Varchar	100	Yes
nature	Specify the nature of the transaction.	Varchar	1	Yes
is_adjustment	Specify if the adjustments made.	Tinyint	1	Yes
status	Specify the status.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 1.3.5.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
transaction_types_users_fk1	created_by	r2	users	pk_id	RESTRICT
transaction_types_users_fk2	modified_by	r2	users	pk_id	RESTRICT

### 1.3.5.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
transaction_types_created_by_users_pk_id	created_by	Normal	BTREE
transaction_types_modified_by_users_pk_id	modified_by	Normal	BTREE

## 1.4 Models & Controllers

### 1.4.1 Receive Search

#### 1.4.1.1 *Controller: Stock*

- receiveSearch()
- delete()

#### 1.4.1.2 *Model: StockMaster*

- getAllItemStock()
- deleteReceive()
- deleteStockMaster()

#### 1.4.1.3 *Model: WarehousesData*

- getStockReportParams()
- adjustStockReport()

#### 1.4.1.4 *Model: StockDetail*

- deleteStockDetail()

#### 1.4.1.5 *Model: StockBatch*

- getBatchQuantityById()
- deleteStockBatch()
- adjustQuantityByWarehouse()

## **1.4.2 Stock Receive (Supplier)**

### **1.4.2.1 *Controller: Stock***

- receiveSupplier()
- addNewManufacturer()
- delete()

### **1.4.2.2 *Model: StockMaster***

- updateStockMasterTemp()
- addStockMaster()
- getTempStock()
- getTempStocksList()
- getItemDetailFromStock()
- deleteReceive()
- deleteStockMaster()

### **1.4.2.3 *Model: WarehousesData***

- addReport()
- adjustStockReport()
- closingBalanceOfMonth()

### **1.4.2.4 *Model: Warehouses***

- getWarehouseNameByWarehouseId()

### **1.4.2.5 *Model: StockDetail***

- updateStockDetailTemp()
- addStockDetail()
- deleteStockDetail()

### **1.4.2.6 *Model: StockBatch***

- addStockBatch()
- updateBatch()
- autoRunningLEFOBatch()
- deleteStockBatch()
- adjustQuantityByWarehouse()

### **1.4.2.7 *Model: Placements***

- addPlacement()

### **1.4.2.8 *Model: Stakeholders***

- addStakeholder()
- getManufacturerByProduct()

### **1.4.3 Stock Receive Warehouse**

#### **1.4.3.1 *Controller: Stock***

- receiveWarehouse()

#### **1.4.3.2 *Model: StockMaster***

- getwarehouseStockByIssueNo()
- addStockWarehouseByIssue()
- getAdjLastID()

#### **1.4.3.3 *Model: TransactionTypes***

- findAll()
- getAll()

#### **1.4.3.4 *Model: StockDetail***

- findByStockId()
- stockReceived()
- GetBatchDetail()
- findByDetailId()

#### **1.4.3.5 *Model: StockBatch***

- autoRunningLEFOBatch()
- isBatchExists()

## **1.4.4 Batch Management**

### **1.4.4.1 *Controller: StockBatch***

- index()
- batchSummary()
- ajaxBatchDetail()
- ajaxChangeStatus()

### **1.4.4.2 *Model: StockBatch***

- searchStockBatch()
- batchSummary()
- getBatchDetail()
- changeStatus()

## **1.4.5 Stock Issue Search**

### **1.4.5.1 *Controller: Stock***

- issueSearch()
- deleteIssue()

### **1.4.5.2 *Model: StockMaster***

- stockIssueSearch()
- deleteStockMaster()

### **1.4.5.3 *Model: StockDetail***

- deleteIssue()
- deleteStockDetail()

### **1.4.5.4 *Model: StockBatch***

- adjustQuantityByWarehouse()

## **1.4.6 Stock Issue**

### **1.4.6.1 *Controller: Stock***

- issue()

### **1.4.6.2 *Model: StockMaster***

- updateStockMasterTemp()
- getWarehouseLevelByStockID()
- addStockMaster()
- getTempStock()
- getTempStocksList()

### **1.4.6.3 *Model: StockDetail***

- updateStockDetailTemp()
- addStockDetail()

### **1.4.6.4 *Model: StockBatch***

- adjustQuantityByWarehouse()
- autoRunningLEFOBatch()
- changeStatus()

### **1.4.6.5 *Model: WarehousesData***

- addReport()
- receiveStockAtUC()

### **1.4.6.6 *Model: Placements***

- addPlacement()

## **1.4.7 Search Adjustment**

### **1.4.7.1 *Controller: Stock***

- adjustmentSearch()

### **1.4.7.2 *Model: StockMaster***

- stockAdjustmentSearch()

## **1.4.8 Add Adjustment**

### **1.4.8.1 *Controller: Stock***

- addAdjustment()

### **1.4.8.2 *Model: StockMaster***

- addAjustment()
- getItemDetailFromStock()

### **1.4.8.3 *Model: StockBatch***

- adjustQuantityBywarehouse()

### **1.4.8.4 *Model: WarehousesData***

- addReport()
- closingBalanceOfMonth()
- saveData()
- adjustStockReport()
- getLastReport()
- update()
- create()

## 1.5 Screens

### Receive Search

**Stock Receive Search**

Date From 01/10/2014	Date To 29/10/2014	Warehouse/Supplier GAVI	Product Pentavalent-1
Search by Select			
<input type="button" value="Search"/> <input type="button" value="Reset"/>			

**Receive Search**

5 records										Search:	
Date	Receive No.	Receive From	Ref. No.	Product	Batch No.	Quantity	Doses Per Vial	Unit	Expiry Date	Action	
21/10/2014	R14100010	GAVI	45135589	Pentavalent-1	1453270	499,800	499,800	1	Vials	30/11/2016	x
21/10/2014	R14100010	GAVI	45135589	Pentavalent-1	1453271	4,200	4,200	1	Vials	30/11/2016	x
21/10/2014	R14100011	GAVI	45135589	Pentavalent-1	1453265	113,400	113,400	1	Vials	30/09/2016	x
21/10/2014	R14100011	GAVI	45135589	Pentavalent-1	1453270	222,600	222,600	1	Vials	30/11/2016	x

Showing 1 to 4 of 4 entries

### Stock Receive ( Supplier )

**From Supplier**

Receipt No. R14100012	Ref No.* Ref123	Received From (Funding Source)* GAVI	Received Time 29/10/2014 04:59 AM
Purpose * Routine	Product * Select	Manufacturer * Select	
Batch No.*	Production Date	Expiry Date *	Unit Price (US\$)
Quantity * Vials	VVM Type VVM 2	VVM Stage NA	Cold Chain Select Cold Chain
Comments (Max 300 Char)		<input type="button" value="Add Stock Receive"/>	

**Receive List**

Date	Product	Unit	From Warehouse	Received	Batch	Expiry Date	Action
29/10/2014	bOPV	Vials	GAVI	1,000	B555	31/10/2015	x
Checksum (All Products)							
Vaccines [Vials/Pcs: 1,000 Doses: 20,000]							
<input type="button" value="Save &amp; Print"/>							

## Stock Receive ( Supplier ) - Add Supplier

### Add New Manufacturer

Manufacturer Name (Max 50 Char) \*

Quantity Per Pack \*

Please enter a value less than or equal to 50.

## Stock Receive Warehouse

### From Warehouse

Issue No.

Product	Batch No.	Quantity	VVM Stage	Adjusted Qty	Adjustment
bOPV	AOP4A359AA	1000	1	10	Cold Chain Break

Remarks

Receive Reference

Received Date

## Batch Management – Search

**Batch Management**

↓ Product

↓ Status

- Running
- Stacked
- Finished
- Total (Running + Stacked)

↓ Search Method

Batch No.	Ref. No.
<input type="text"/>	<input type="text"/>

**Search**

**mOPV1**

Batch Status	No. of Batches	Qty in Doses	Qty in Vials
Running	5	171,700	8,585
Stacked	1	22,600	1,130
Total	6	194,300	9,715

**Batch List**

Sr.No.	Product	Batch No.	Expiry Date	Qty	Doses	Status	Action
1	mOPV1	132507	30/11/2015	3,460 Vials	69,200	Running	<b>Make it Stacked</b>
2	mOPV1	132703	30/11/2015	1,130 Vials	22,600	Stacked	<b>Make it Running</b>

## Stock Issue – Search

### Stock Issue Search

**Search by**

Batch No.	<input type="text" value="ASPNAA531AA"/>
Warehouse/Supplier	Product
<input type="text" value="Punjab EPI Store"/>	<input type="text" value="Pneumococcal-2 (PCV10)"/>
Date From	Date To
<input type="text" value="2014-10-01"/>	<input type="text" value="2014-10-29"/>

**Search** **Reset**

**Issue Search**

Date	Issue No.	Issue To	Ref. No.	Product	Batch No.	Quantity	Unit	Expiry Date
03/10/2014	I14100002	Punjab EPI Store		Pneumococcal-2 (PCV10)	ASPNAA531AA	150,000	Vials	31/12/2016

Showing 1 to 1 of 1 entries

<	1	>
---	---	---

**Summary:**  Product Wise  Location wise **Print**

**Detail:**  None  Location wise  Product wise **Print**

## Stock Issue

### Add Issue

Issue No.	Date	Issue Reference
I14100001	29/10/2014	IR123
Warehouse *		
Federal EPI Store		
Product *	Batch *	VVM Stage
Select		NA
Available	Expiry Date	Purpose *
		Routine
<b>Add Issue</b>		

### Stock Issue List

Date	Product	Unit	To Warehouse	Issued	Batch	Expiry Date	Action
29/10/2014	bOPV	Vials	Federal EPI Store	1,000	AOP4A359AA	31/08/2015	

**Print** **Save**

## Search Adjustment

### Stock Adjustment Search

Adjustment No.	Adjustment Type	Product
	Cold Chain Break	BCG-20
Date From	Date To	
2014-10-01	2014-10-01	<b>Search</b> <b>Reset</b>

### Search Results

5 records

Search:

Date	Adjustment No.	Ref. No.	Product	Batch No.	Quantity	Adjustment Type	Comments
10/29/2014	A14100001	RN123	BCG-20	037G4065	10	Cold Chain Break	

Showing 1 to 1 of 1 entries

## Add Adjustment

New Adjustment

Adjustment Date *	Ref. No.	
29/10/2014	RN123	
Product *	Batch No. *	Available
BCG-20	037G4065	3,397 Vials
Adjustment Type *	Quantity *	
Cold Chain Break	10	
Comment	<input type="text"/>	
<input type="button" value="Save"/>		

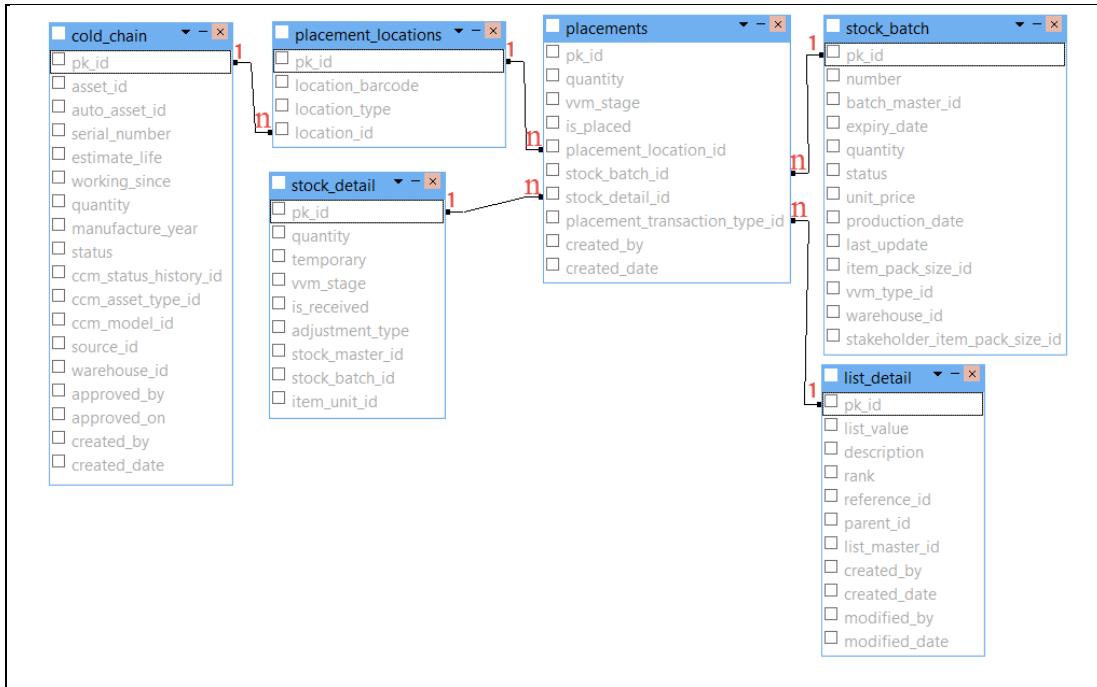
## **2. WAREHOUSE STOCK PLACEMENT MANAGEMENT**

### **2.1 Table Definition**

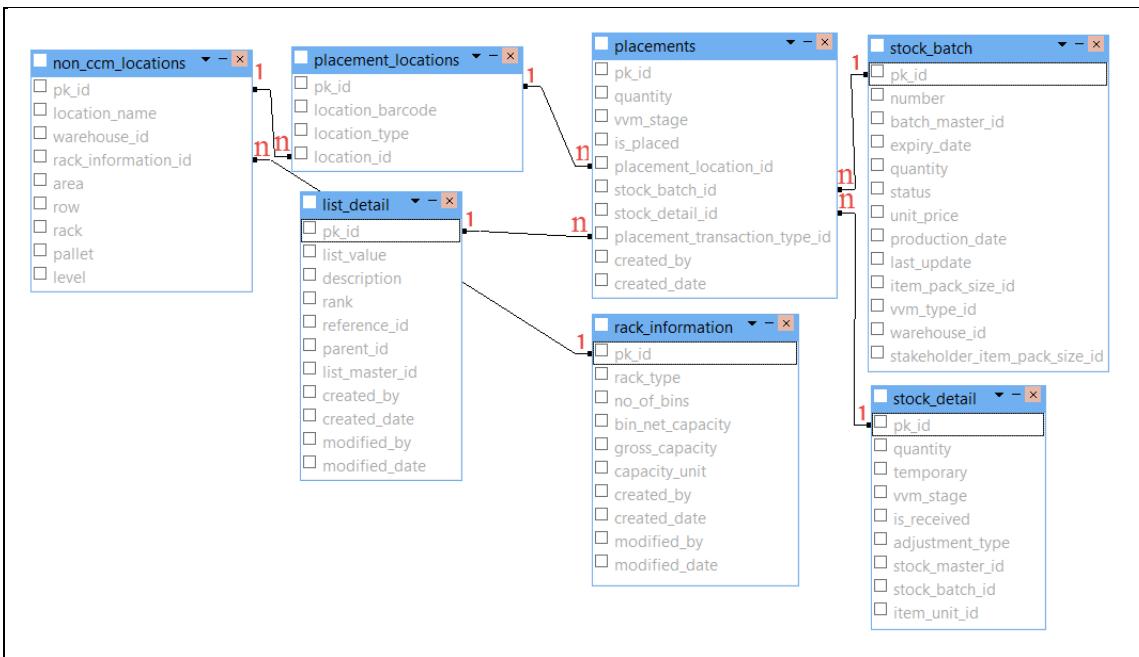
<b>Sr No.</b>	<b>Table Name</b>	<b>Definition</b>
1.	<b>rack_information</b>	Maintain the rack information.
2.	<b>placements</b>	Maintain the rack placements information.
3.	<b>placement_quantity</b>	Maintain the placement quantity.
4.	<b>placement_locations</b>	Manage the placement locations.
5.	<b>non_ccm_locations</b>	Definition of non-cold chain locations.

## 2.2 Relationship Diagrams

### 2.2.1 Cold Chain Placement



## 2.2.2 Non Cold Chain Placement



## 2.3 Tables

### 2.3.1 Table Name: rack\_information

This table is used to store rack information of non-cold chain.

#### 2.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
rack_type	Specify the rack type.	Varchar	50	Yes
no_of_bins	Specify the number of bins.	Smallint	11	Yes
bin_net_capacity	Specify the net capacity of the bin.	Float	0	Yes
gross_capacity	Specify the gross capacity.	Float	0	Yes
capacity_unit	Specify the unit capacity.	Varchar	50	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 2.3.1.2 *Relationships:*

<b>Table Names</b>	<b>Fields</b>	<b>Referenced Database</b>	<b>Referenced Table</b>	<b>Referenced Fields</b>	<b>On Delete/On Update</b>
rack_information_users_fk1	created_by	r2	users	pk_id	RESTRICT
rack_information_users_fk2	modified_by	r2	users	pk_id	RESTRICT

### 2.3.1.3 *Related Indexes:*

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
rack_information_created_by_users_pk_id	created_by	Normal	BTREE
rack_information_modified_by_users_pk_id	modified_by	Normal	BTREE

## 2.3.2 Table Name: placements

This table is used to manage the stock placements.

### 2.3.2.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
quantity	Specify the quantity.	Int	11	Yes
vvm_stage	Specify the vaccine vial stage.	Tinyint	1	Yes
is_placed	Specify if a particular stock is placed.	Tinyint	1	Yes
placement_location_id	Specify the placement location ID.	Int	11	Yes
stock_batch_id	Specify the stock batch ID.	Int	11	Yes
stock_detail_id	Specify the stock detail ID.	Int	11	Yes
placement_transaction_type_id	Specify the list detail ID for “Placement Transaction Types”, which has ID equal to 26 in list master table and it has corresponding values from ID equal to 114 to 116 in list detail table.	Int	11	Yes
created_by	Specify the user ID.	Int	11	Yes
created_date	Specify the created date.	Datetime	0	Yes

### 2.3.2.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
placements_placement_locations_fk1	placement_location_id	r2	placement_locations	pk_id	RESTRICT
placements_stock_batch_fk2	stock_batch_id	r2	stock_batch	pk_id	RESTRICT
placements_stock_detail_fk3	stock_detail_id	r2	stock_detail	pk_id	RESTRICT
placements_list_detail_fk4	placement_transaction_type_id	r2	list_detail	pk_id	RESTRICT
placements_users_fk5	created_by	r2	users	pk_id	RESTRICT

### 2.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
placements_placement_location_id_placement_locations_pk_id	placement_location_id	Normal	BTREE
placements_stock_batch_id_stock_batch_pk_id	stock_batch_id	Normal	BTREE
placements_stock_detail_id_stock_detail_pk_id	stock_detail_id	Normal	BTREE
placements_placement_transaction_type_id_list_detail_pk_id	placement_transaction_type_id	Normal	BTREE
placements_created_by_users_pk_id	created_by	Normal	BTREE

### **2.3.3 Table Name: placement\_quantity**

This table is used to store the placement quantity.

#### **2.3.3.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
quantity	Specify the quantity.	Int	11	Yes
ccm_id	Specify the cold chain ID.	Int	11	No
stock_batch_id	Specify the stock batch ID.	Int	11	No

### 2.3.3.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
placement_quantity_cold_chain_fk1	ccm_id	r2	cold_chain	pk_id	RESTRICT
placement_quantity_stock_batch_fk2	stock_batch_id	r2	stock_batch	pk_id	RESTRICT

### 2.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
placement_quantity_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
placement_quantity_stock_batch_id_stock_batch_pk_id	stock_batch_id	Normal	BTREE

## **2.3.4 Table Name: placement\_locations**

This table is used to store the placement locations.

### **2.3.4.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
location_barcode	Specify the barcode of the location.	Varchar	100	Yes
location_type	Specify the list detail ID for “Location Type”, which has ID equal to 22 in list master table and it has corresponding values from ID equal to 99 to 100 in list detail table.	Int	11	Yes
location_id	Specify the cold chain ID or non ccm ID.	Int	11	Yes

#### 2.3.4.2 Relationships:

Table Names	Fields	Referenced ed	Referenced Table	Referenc ed Fields	On Delete/ On Update
Database					
placement_locations_list_detail_fk1	location_type	r2	list_detail	pk_id	RESTRICT
placement_locations_cold_chain_fk2	location_id	r2	cold_chain	pk_id	RESTRICT
placement_locations_non_ccm_locations_fk2	location_id	r2	non_ccm_locations	pk_id	RESTRICT

#### 2.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
placement_locations_location_type_list_detail_pk_id	location_type	Normal	BTREE
placement_locations_location_id_cold_chain_pk_id	location_id	Normal	BTREE
placement_locations_location_id_non_ccm_locations_pk_id	location_id	Normal	BTREE

### **2.3.5 Table Name: non\_ccm\_locations**

This table is used to store the non-cold chain locations.

#### **2.3.5.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
location_name	Specify the location name.	Varchar	100	Yes
warehouse_id	Specify the warehouse ID.	Int	11	No
rack_information_id	Specify the rack information ID.	Int	11	No
area	Specify the list detail ID for “Area”, which has ID equal to 14 in list master table and it has corresponding values from ID equal to 61 to 66 in list detail table.	Int	11	No
row	Specify the list detail ID for “Row”, which has ID equal to 15 in list master table and it has corresponding values from ID equal to 67 to 70 in list detail table.	Int	11	No
rack	Specify the list detail ID for “Rack”, which has ID equal to 16 in list master table and it has corresponding values from ID equal to 72 to 76 in list detail table.	Int	11	No
pallet	Specify the list detail ID for “Pallet”, which has ID equal to 18 in list master table and it has corresponding values from ID equal to 79 to 82 in list detail table.	Int	11	No
level	Specify the list detail ID for “Level”, which has ID equal to 19 in list master table and it has corresponding values from ID equal to 84 to 87 in list detail table.	Int	11	No

### 2.3.5.2 Relationships:

Table Names	Fields	Referenced ed	Referenced Table Database	Referenc ed Fields	On Delete/ On Update
non_ccm_locations_warehouses_fk1	warehouse_id	r2	warehouses	pk_id	RESTRICT
non_ccm_locations_rack_information_fk2	rack_information_id	r2	rack_information	pk_id	RESTRICT
non_ccm_locations_list_detail_fk3	area	r2	list_detail	pk_id	RESTRICT
non_ccm_locations_list_detail_fk4	row	r2	list_detail	pk_id	RESTRICT
non_ccm_locations_list_detail_fk5	rack	r2	list_detail	pk_id	RESTRICT
non_ccm_locations_list_detail_fk6	pallet	r2	list_detail	pk_id	RESTRICT
non_ccm_locations_list_detail_fk7	level	r2	list_detail	pk_id	RESTRICT

### 2.3.5.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
non_ccm_locations_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
non_ccm_locations_rack_information_id_rack_information_pk_id	rack_information_id	Normal	BTREE
non_ccm_locations_area_list_detail_pk_id	area	Normal	BTREE
non_ccm_locations_row_list_detail_pk_id	row	Normal	BTREE
non_ccm_locations_rack_list_detail_pk_id	rack	Normal	BTREE

non_ccm_locations_pallet_list_detail_pk_id	pallet	Normal	BTREE
non_ccm_locations_level_list_detail_pk_id	level	Normal	BTREE

## 2.4 Models & Controllers

### 2.4.1 Manage Location

#### 2.4.1.1 *Controller: Stock*

- placement()
- deletePlacement()

#### 2.4.1.2 *Model: NonCcmLocations*

- placement()
- getLocationsName()

## 2.4.2 Location Status

### 2.4.2.1 *Controller: Stock*

- locationStatus()
- stockInBin()
- transferStock()
- saveTransferStock()
- stockBinPlacement()
- ajaxAddStockPlacement()

### 2.4.2.2 *Model: NonCcmLocations*

- locationStatus()
- getMaxRow()
- getMaxRack()
- getMaxPallet()
- getLocationName()

### 2.4.2.3 *Model: Placements*

- getStockInBin()
- addTransferStock()
- addPlaceStock()

### 2.4.2.4 *Model: StockMaster*

- getAllItem()

## **2.4.3 Stock Pick**

### **2.4.3.1 *Controller: Stock***

- pickStock()
- ajaxDetailDataIssueno()
- stockPickData()

### **2.4.3.2 *Model: Placements***

- stockPickDetail()
- stockPickDetailVaccines()

### **2.4.3.3 *Model: StockMaster***

- detailDataIssueno()

## 2.5 Screens

### Manage Location

#### Manage Location (Bins)

Area*		Row*		Rack*	
Select Area	▼	Select Row	▼	Select Rack	▼
Rack Type*		Pallet*		Level*	
Select Rack Type	▼	Select Pallet	▼	Select Level	▼
<b>Add</b>					
Location Name					Action
A01010101					X
B01010101					X
C01010101					X
D01010101					X
E01010101					X
A02030202					X
F04010101					X
F03010101					X
A02010101					X
C02020202					X
D04010101					X
E02020202					X
A02020202					X

### Location Status – Non Vaccines

#### Location Status

Non-Vaccines Location	Vaccines Location												
Area*	Level*												
A	02												
<b>Show Status</b>													
<table border="1"><tr><td>A01010102</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>		A01010102											
A01010102													

## Location Status – Vaccines

### Location Status

 Non-Vaccines Location	 Vaccines Location
 300031 (Cold Rooms)	 300032 (Cold Rooms)
 300033 (Cold Rooms)	 300034 (Cold Rooms)
 300035 (Cold Rooms)	 300036 (Cold Rooms)
 300037 (Cold Rooms)	 300038 (Cold Rooms)
 300040 (Cold Rooms)	 300052 (Cold Rooms)
 300053 (Cold Rooms)	 300054 (Cold Rooms)
 300055 (Cold Rooms)	 300056 (Cold Rooms)
 300057 (Cold Rooms)	 300039 (Cold Rooms)
 300041 (Cold Rooms)	 300042 (Cold Rooms)

## Stock Pick – Voucher List

### Manage Pick Stock

Pick From Issue Voucher List				
Issue No.	Batch No.	Expiry Date	Unpicked Quantity (Vials)	Action
I14100021				
Measles-10	004F3047	30-05-2015	1000	<button>Pick</button>
DIL-Measles-10	068S13033E	31-01-2018	1000	<button>Pick</button>
Pentavalent-1	1453260	31-08-2016	18000	<button>Pick</button>
tOPV	AOPVB963AB	31-03-2016	3000	<button>Pick</button>
Pneumococcal-2 (PCV10)	ASPNA441AA	30-06-2016	9000	<button>Pick</button>
BCG-20	15	30-04-2017	600	<button>Pick</button>
DIL-BCG-20	335-1	31-05-2019	600	<button>Pick</button>

## Stock in Bin

Stock in Bin 300032

Back to Location						
Product		Batch No.	Carton Quantity	Quantity	Action	Place More
BCG-20		036D2052		10	100	<button>Transfer</button>
BCG-20		036D2054		10	100	<button>Transfer</button>
BCG-20		036D2053		10	100	<button>Transfer</button>

Showing 1 to 3 of 3 entries

## Stock Pick

Place Stock at 300032 from received stock list

Back to Location							
Date	Receive No.	Product	Batch No.	Packs	Allocated	Un-Allocated	Place Quantity
01/08/2014	R000001	BCG-20	036D2052	2394	10	2384	10
01/08/2014	R000001	BCG-20	036D2053	5609	10	5599	10
01/08/2014	R000001	BCG-20	036D2054	1582	10	1572	10

## Stock Transfer

### Transfer Stock

Product: BCG-20      Batch No.: 036D2053

Location\*: 300002      Quantity\*: 10

Transfer

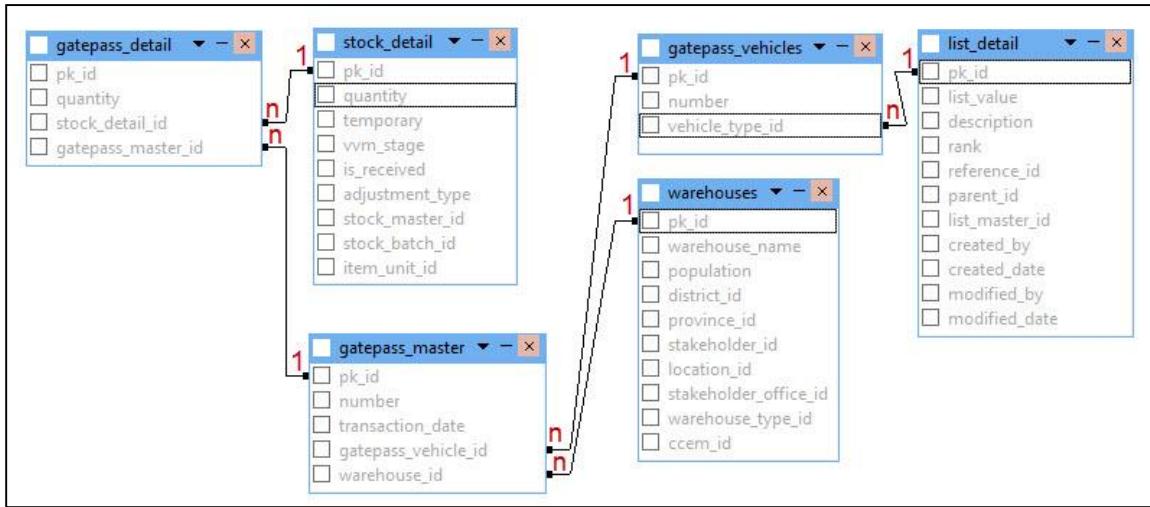
### **3. GATEPASS MANAGEMENT**

#### **3.1 Table Definition**

Sr No.	Table Name	Definition
1.	gatepass_vehicles	Definition of gatepass vehicles.
2.	gatepass_master	Maintain the gatepass master.
3.	gatepass_detail	Maintain the gatepass detail.

## 3.2 Relationship Diagrams

### 3.2.1 Gatepass



## 3.3 Tables

### 3.3.1 Table Name: `gatepass_vehicles`

This table is used to store gatepass vehicle information.

#### 3.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the pk ID. It is auto increment.	Int	11	No
number	Specify number of the vehicle.	Varchar	255	Yes
vehicle_type_id	Specify the list detail ID for “Vehicle Type”, which has ID equal to 21 in list master table and it has corresponding values from ID equal to 97 to 98 in list detail table.	Int	11	No

**3.3.1.2 Relationships:**

Table Names	Fields	Reference d Database	Reference d Table	Reference d Fields	On Delete/O n Update
gatepass_vehicles_list_detail_fk 1	vehicle_type_id	r2	list_detail	pk_id	RESTRICT

**3.3.1.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
gatepass_vehicles_vehicle_type_id_list_detail_pk_id	vehicle_type_id	Normal	BTREE

### **3.3.2 Table Name: gatepass\_master**

This table is used to maintain record of gatepass master.

#### **3.3.2.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the pk ID. It is auto increment.	Int	11	No
number	Specify an autogenerated number.	Varchar	100	Yes
transaction_date	Specify the transaction date.	Datetime	0	Yes
gatepass_vehicle_id	Specify the gatepass vehicle ID.	Int	11	No
warehouse_id	Specify thaе warehouse ID.	Int	11	Yes

### 3.3.2.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
gatepass_master_gatepass_vehicles_fk1	gatepass_vehicle_id	r2	gatepass_vehicles	pk_id	RESTRICT
gatepass_master_warehouses_fk2	warehouse_id	r2	warehouses	pk_id	RESTRICT

### 3.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
gatepass_master_gatepass_vehicle_id_gatepass_vehicles_pk_id	gatepass_vehicle_id	Normal	BTREE
gatepass_master_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE

### **3.3.3 Table Name: gatepass\_detail**

This table is used to maintain gatepass detail.

#### **3.3.3.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the pk ID. It is auto increment.	Int	11	No
quantity	Specify the quantity	Varchar	255	Yes
stock_detail_id	Specify thaе stock Detail ID.	Int	11	Yes
gatepass_master_id	Specify the gatepass master ID.	Int	11	No

### 3.3.3.2 Relationships:

<b>Table Names</b>	<b>Fields</b>	<b>Reference d Database</b>	<b>Referenced Table</b>	<b>Reference d Fields</b>	<b>On Delete/On Update</b>
gatepass_detail_stock_detail_fk1	stock_detail_id	r2	stock_detail	pk_id	RESTRICT
gatepass_detail_gatepass_master_fk2	gatepass_master_id	r2	gatepass_master	pk_id	RESTRICT

### 3.3.3.3 Related Indexes:

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
gatepass_detail_stock_detail_id_stock_detail_pk_id	stock_detail_id	Normal	BTREE
gatepass_detail_gatepass_master_id_gatepass_master_pk_id	gatepass_master_id	Normal	BTREE

## 3.4 Models & Controllers

### 3.4.1 New Gatepass

#### 3.4.1.1 *Controller: Stock*

- newGatepass()
- ajaxQuantityDataIssuueno()
- ajaxVehicleNumber()
- ajaxNewGatepass1()

#### 3.4.1.2 *Model: StockDetail*

- quantityDataIssuueno()

#### 3.4.1.3 *Model: GatepassVehicles*

- getVehicleNumberByType()

#### 3.4.1.4 *Model: GatepassMaster*

- addGatepass()

### **3.4.2 Gatepass List**

#### **3.4.2.1 *Controller: Stock***

- gatepassList()
- ajaxBatchNumber()

#### **3.4.2.2 *Model: StockBatch***

- stockGatepassSearch()
- getBatchNumberByProducts()

## 3.5 Screens

### New Gate Pass

New Gatepass

Date From*	Date To*	Vehicle Type*	Search	
2014-10-01	2014-10-29	Self	<input type="checkbox"/> Other	
Vehicle Type*	x-68-2477			
Issue No.	Date*			
I14100001 I14100002 I14100003 I14100004	Select multiple items by hold down control key [CTRL]	07/10/2014		
Product	Batch No.	Issued Quantity	Quantity	Remaining Quantity
tOPV (Campaign)	AOPVB985AA	250	10	240

**Save**

### Gate Pass List

Manage Gatepass

Gatepass List

Date From*	Date To*	Vehicle Type		
2014-08-01	2014-10-29	Select Vehicle Type		
Item	Batch	Search	Reset	
bOPV	Select Item First	<b>Search</b>	<b>Reset</b>	
10	records per page			
S. No.	Gatepass No	Vehicle Number	Item Name	Batch Number
1	1172657708	x-68-2478	bOPV	K5280-1

Showing 1 to 1 of 1 entries

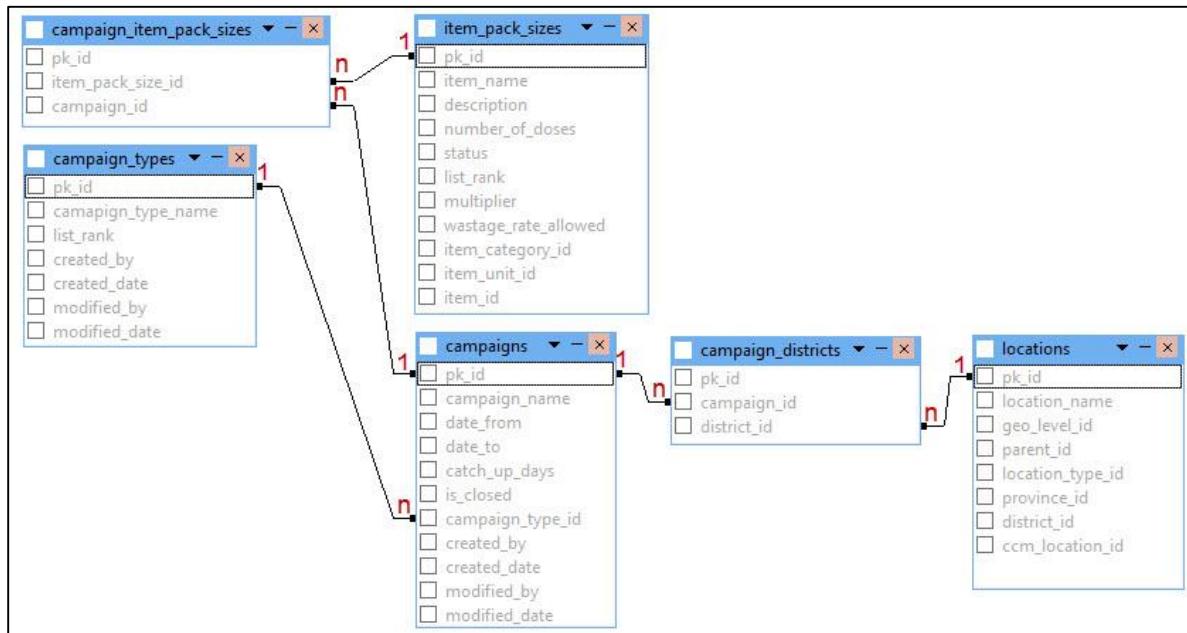
## **4. CAMPAIGNS MANAGEMENT**

### **4.1 Table Definition**

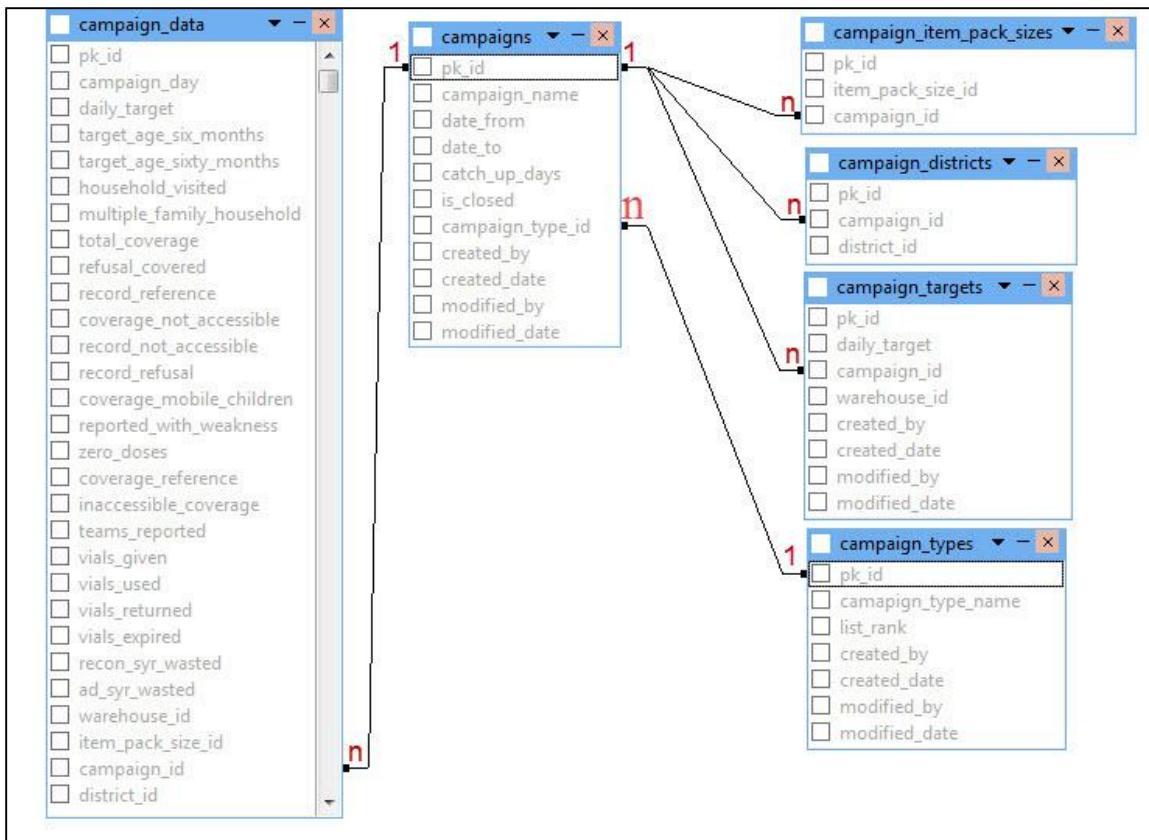
<b>Sr No.</b>	<b>Table Name</b>	<b>Definition</b>
1.	<b>campaigns</b>	<b>Definition of campaigns.</b>
2.	<b>campaign_types</b>	<b>Definition of campaign types.</b>
3.	<b>campaign_targets</b>	<b>Definition of campaign targets.</b>
4.	<b>campaign_readiness</b>	<b>Definition of campaign readiness.</b>
5.	<b>campaign_readiness_union_council</b>	<b>Definition of campaign readiness of union councils.</b>
6.	<b>campaign_data</b>	<b>Maintain the campaign data.</b>
7.	<b>campaign_lqas_data</b>	<b>Maintain the lot quality assurance sampling (LQAS) data.</b>
8.	<b>campaign_districts</b>	<b>Maintain the campaign districts.</b>
9.	<b>campaign_item_pack_sizes</b>	<b>Definition of campaign item pack sizes.</b>

## 4.2 Relationship Diagrams

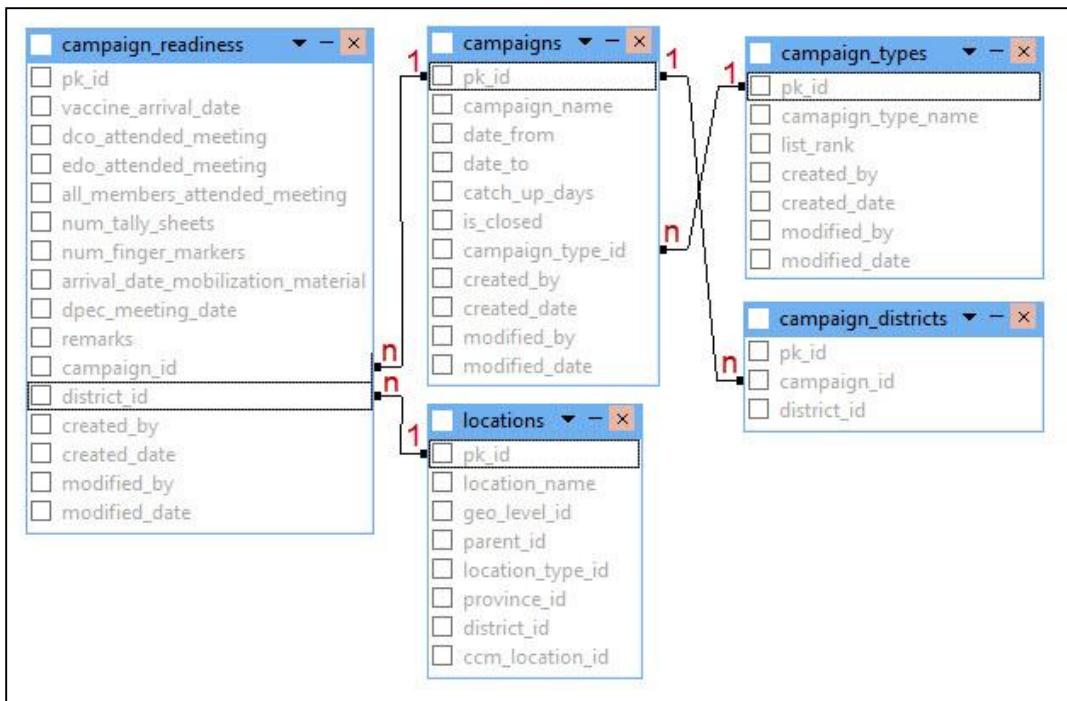
### 4.2.1 Campaigns



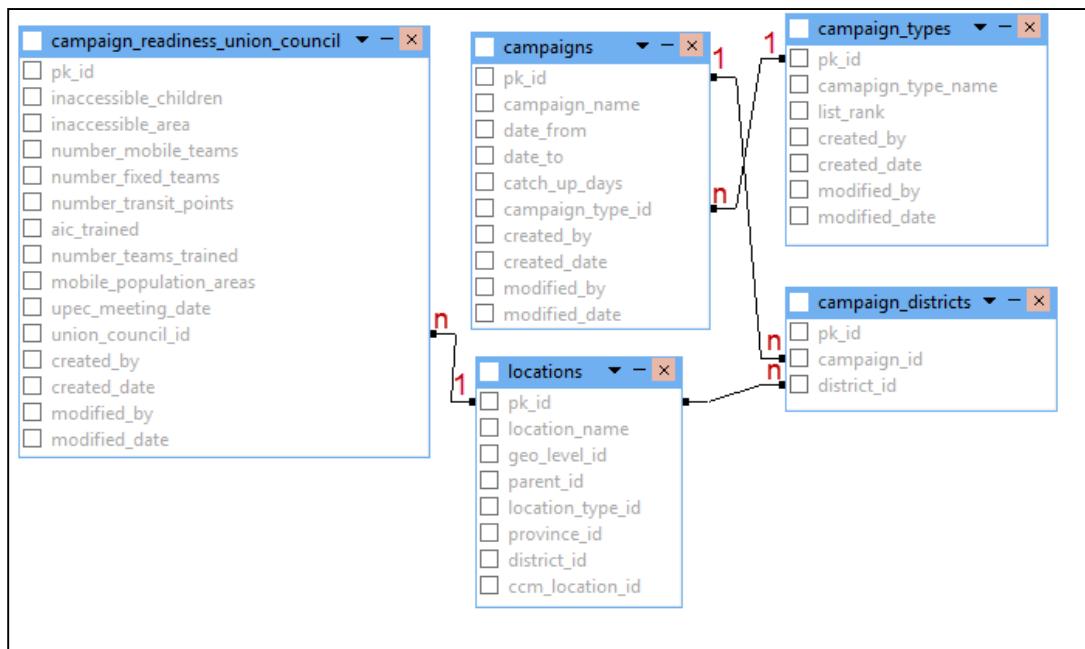
#### 4.2.2 Campaign Targets



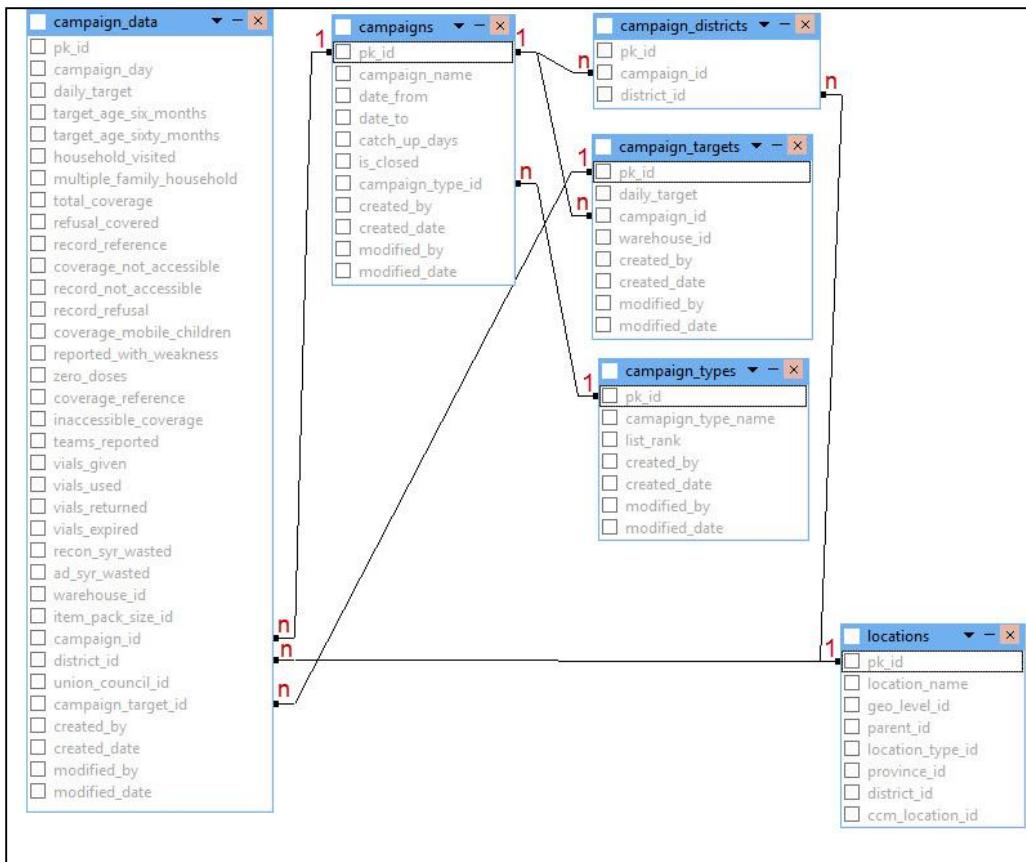
#### 4.2.3 Campaign Readiness



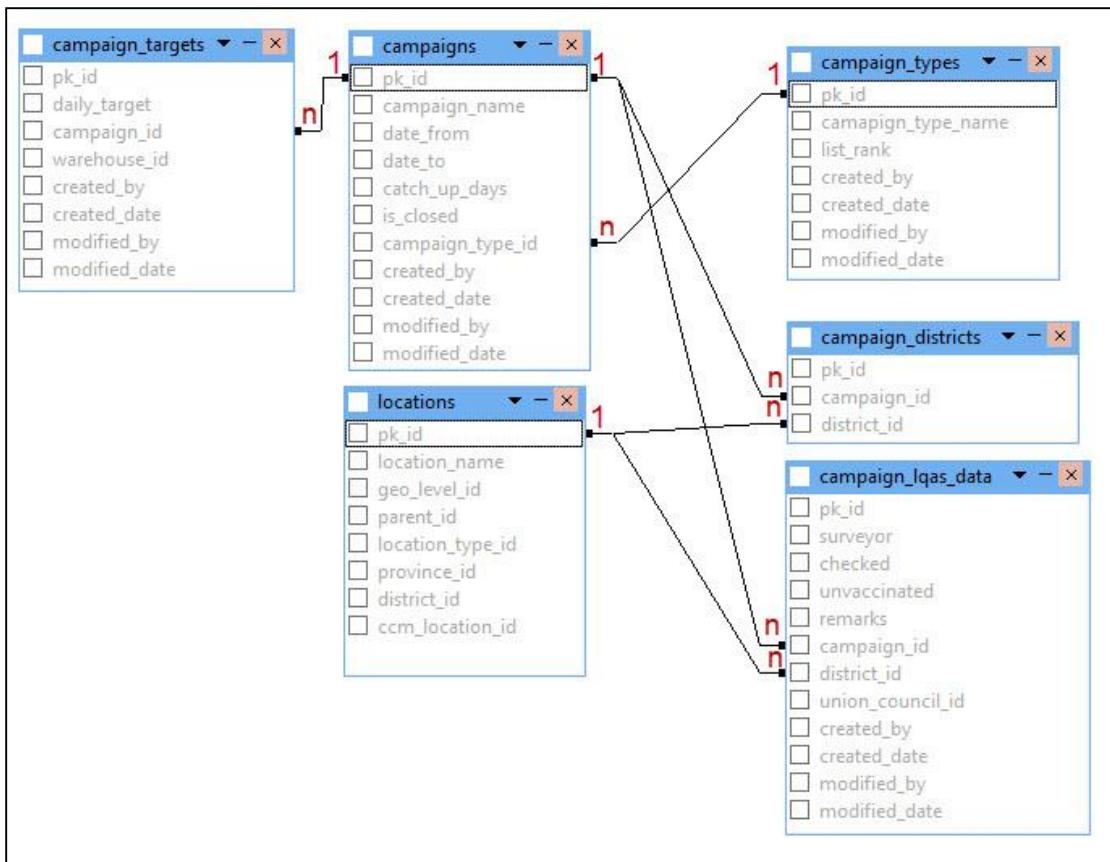
#### 4.2.4 Campaign Readiness Union Council



#### 4.2.5 Campaign Data



#### 4.2.6 LQAS Data



## 4.3 Tables

### 4.3.1 Table Name: campaigns

This table is used to store campaigns related data.

#### 4.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
campaign_name	Specify the campaign name.	Varchar	100	Yes
date_from	Specify the starting date of campaign.	Datetime	0	Yes
date_to	Specify the ending date of campaign.	Datetime	0	Yes
catch_up_days	Specify the catch up days of a campaign	Int	11	Yes
is_closed	Specify if a campaign is closed	Tinyint	1	No
campaign_type_id	Specify the campaign type ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 4.3.1.2 Relationships:

Table Names	Fields	Reference d	Referenced Table	Reference d Fields	On Delete/O n Update
Database					
campaigns_campaign_types_fk1	campaign_type_id	r2	campaign_types	pk_id	RESTRICT
campaigns_users_fk2	created_by	r2	users	pk_id	RESTRICT
campaigns_users_fk3	modified_by	r2	users	pk_id	RESTRICT

#### 4.3.1.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
campaigns_campaign_type_id_campaign_types_pk_id	campaign_type_id	Normal	BTREE
campaigns_created_by_users_pk_id	created_by	Normal	BTREE
campaigns_modified_by_users_pk_id	modified_by	Normal	BTREE

#### **4.3.2 Table Name: campaign\_types**

This table is used to store campaign types.

##### **4.3.2.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
campaign_type_name	Specify the type of campaign.	Varchar	100	Yes
list_rank	Specify the list rank.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 4.3.2.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
campaign_types_users_fk1	created_by	r2	users	pk_id	RESTRICT
campaign_types_users_fk2	modified_by	r2	users	pk_id	RESTRICT

#### 4.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
campaign_types_created_by_users_pk_id	created_by	Normal	BTREE
campaign_types_modified_by_users_pk_id	modified_by	Normal	BTREE

### **4.3.3 Table Name: campaign\_targets**

This table is used to maintain campaign targets.

#### **4.3.3.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
daily_target	Specify the daily target.	Int	11	Yes
campaign_id	Specify the campaign ID.	Int	11	No
warehouse_id	Specify warehouse ID.	Int	11	No
item_pack_size_id	Specify item pack size ID.	Int	11	No
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 4.3.3.2 Relationships:

Table Names	Fields	Reference d	Referenced Table	Reference d Fields	On Delete/On Update
Database					
campaign_targets_campaigns_fk1	campaign_id	r2	campaigns	pk_id	RESTRICT
campaign_targets_warehouses_fk2	warehouse_id	r2	warehouses	pk_id	RESTRICT
campaign_targets_item_pack_sizes_fk3	item_pack_size_id	r2	item_pack_sizes	pk_id	RESTRICT
campaign_targets_users_fk4	created_by	r2	users	pk_id	RESTRICT
campaign_targets_users_fk5	modified_by	r2	users	pk_id	RESTRICT

#### 4.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
campaign_targets_campaign_id_campaigns_pk_id	campaign_id	Normal	BTREE
campaign_targets_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
campaign_targets_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE
campaign_targets_created_by_users_pk_id	created_by	Normal	BTREE
campaign_targets_modified_by_users_pk_id	modified_by	Normal	BTREE

#### 4.3.4 Table Name: campaign\_readiness

This table is used to store values related to campaign readiness.

##### 4.3.4.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
vaccine_arrival_date	Specify the vaccine arrival date.	Datetime	0	Yes
dco_attended_meeting	Indicate if the DCO attended the meeting.	Tinyint	1	Yes
edo_attended_meeting	Indicate if the EDO attended the meeting.	Tinyint	1	Yes
all_members_attended_meeting	Indicate if all members attended the meeting.	Tinyint	1	Yes
num_tally_sheets	Specify the number of tally sheets.	Int	11	Yes
num_finger_markers	Specify the number of finger markers.	Int	11	Yes
arrival_date_mobilization_material	Specify the arrival date of mobilization material.	Datetime	0	Yes
dpec_meeting_date	Specify the DPEC meeting date.	Datetime	0	Yes
remarks	Specify the remarks.	Text	0	Yes
campaign_id	Specify the campaign ID.	Int	11	No
district_id	Specify the district ID.	Int	11	No
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 4.3.4.2 Relationships:

Table Names	Fields	Reference d Database	Reference d Table	Reference d Fields	On Delete/On Update
campaign_readiness_campaigns_fk1	campaign_id	r2	campaigns	pk_id	RESTRICT
campaign_readiness_locations_fk2	district_id	r2	locations	pk_id	RESTRICT
campaign_readiness_users_fk3	created_by	r2	users	pk_id	RESTRICT
campaign_readiness_users_fk4	modified_by	r2	users	pk_id	RESTRICT

#### 4.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
campaign_readiness_campaign_id_campaign_pk_id	campaign_id	Normal	BTREE
campaign_readiness_district_id_locations_pk_id	district_id	Normal	BTREE
campaign_readiness_created_by_users_pk_id	created_by	Normal	BTREE
campaign_readiness_modified_by_users_pk_id	modified_by	Normal	BTREE

#### **4.3.5 Table Name: campaign\_readiness\_union\_council**

This table is used to store values related to campaign readiness (Union Council wise).

##### **4.3.5.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
inaccessible_children	Specify the number of inaccessible children.	Varchar	100	Yes
inaccessible_area	Specify the inaccessible area.	Varchar	100	Yes
number_mobile_teams	Specify the number of mobile teams.	Int	11	Yes
number_fixed_teams	Specify the number of fixed teams.	Int	11	Yes
number_transit_points	Specify the number of transit points.	Int	11	Yes
aic_trained	Specify the number of trained AICs.	Int	11	Yes
number_teams_trained	Specify the number of teams trained.	Int	11	Yes
mobile_population_areas	Specify the mobile population areas.	Int	11	Yes
upec_meeting_date	Specify the UPEC meeting date.	Datetime	0	Yes
union_council_id	Specify the Union CouncilID.	Int	11	No
campaign_id	Specify the campaign ID.	Int	11	No
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 4.3.5.2 Relationships:

Table Names	Fields	Referenced	Referenced Table	Referenced Fields	On Delete/On Update
Database					
campaign_readiness_union_council_locations_fk1	union_council_id	r2	locations	pk_id	RESTRICT
campaign_readiness_union_council_campaigns_fk2	campaign_id	r2	campaigns	pk_id	RESTRICT
campaign_readiness_union_council_users_fk3	created_by	r2	users	pk_id	RESTRICT
campaign_readiness_union_council_users_fk4	modified_by	r2	users	pk_id	RESTRICT

#### 4.3.5.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
campaign_readiness_union_council_u_c_id_locations_pk_id	union_council_id	Normal	BTREE
campaign_readiness_union_council_campaign_id_campaigns_pk_id	campaign_id	Normal	BTREE
campaign_readiness_union_council_created_by_users_pk_id	created_by	Normal	BTREE
campaign_readiness_union_council_modified_by_users_pk_id	modified_by	Normal	BTREE

#### **4.3.6 Table Name: campaign\_data**

This table is used to store the campaign data.

##### **4.3.6.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
campaign_day	Specify the number of campaign days.	Int	11	Yes
daily_target	Specify the daily target of a campaign.	Int	11	Yes
target_age_six_months	Specify the targeted number of children under the age of six months.	Int	11	Yes
target_age_sixty_months	Specify the targeted number of children under the age of sixty months.	Int	11	Yes
household_visited	Specify the number of household visited.	Int	11	Yes
multiple_family_household	Specify the multiple household families.	Int	11	Yes
total_coverage	Specify the total coverage.	Varchar	255	Yes
refusal_covered	Specify the refusal area covered during current campaign.	Varchar	255	Yes
record_reference	Specify the record reference.	Varchar	255	Yes
coverage_not_accessible	Specify the not accessible coverage.	Varchar	255	Yes
record_not_accessible	Specify the not accessible record.	Varchar	255	Yes
record_refusal	Specify the recorded refusal.	Varchar	255	Yes
coverage_mobile_children	Specify the children with mobile coverage.	Varchar	255	Yes
reported_with_weakness	Specify the children reported with weakness.	Varchar	255	Yes

zero_doses	Specify the number of children having their first dosage.	Varchar	255	Yes
coverage_reference	Specify the coverage reference.	Varchar	255	Yes
inaccessible_coverage	Specify the inaccessible coverage.	Varchar	255	Yes
teams_reported	Specify the number of reported teams.	Int	11	Yes
vials_given	Specify the vials given.	Varchar	255	Yes
vials_used	Specify the vials used.	Varchar	255	Yes
vials_returned	Specify the vials returned.	Varchar	255	Yes
vials_expired	Specify the vials expired.	Varchar	255	Yes
recon_syr_wasted	Specify the number of Recon Syringes wasted.	Int	11	Yes
ad_syr_wasted	Specify the number of Syringes wasted.	Int	11	Yes
warehouse_id	Specify the warehouseID.	Int	11	No
item_pack_size_id	Specify the item pack sizeID.	Int	11	No
campaign_id	Specify the campaign ID.	Int	11	No
district_id	Specify the district ID.	Int	11	No
union_council_id	Specify the union council ID.	Int	11	No
campaign_target_id	Specify the campaign target ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 4.3.6.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/O n Update
campaign_data_warehouses_fk1	warehouse_id	r2	warehouses	pk_id	RESTRICT
campaign_data_item_pack_sizes_fk2	Item_pack_size_id	r2	item_pack_sizes	pk_id	RESTRICT
campaign_data_campaigns_fk3	campaign_id	r2	campaigns	pk_id	RESTRICT
campaign_data_locations_fk4	district_id	r2	locations	pk_id	RESTRICT
campaign_data_locations_fk5	union_council_id	r2	locations	pk_id	RESTRICT
campaign_data_campaign_target_s_fk6	campaign_target_id	r2	campaign_targets	pk_id	RESTRICT
campaign_data_users_fk7	created_by	r2	users	pk_id	RESTRICT
campaign_data_users_fk8	modified_by	r2	users	pk_id	RESTRICT

#### 4.3.6.3 *Related Indexes:*

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
campaign_data_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
campaign_data_item_pack_size_id_item_pack_sizes_pk_id	Item_pack_size_id	Normal	BTREE
campaign_data_campaign_id_campaigns_pk_id	campaign_id	Normal	BTREE
campaign_data_district_id_locations_pk_id	district_id	Normal	BTREE
campaign_data_union_council_id_locations_pk_id	union_council_id	Normal	BTREE
campaign_data_campaign_target_id_campaign_targets_pk_id	campaign_target_id	Normal	BTREE
campaign_data_created_by_users_pk_id	created_by	Normal	BTREE
campaign_data_modified_by_users_pk_id	modified_by	Normal	BTREE

#### **4.3.7 Table Name: campaign\_lqas\_data**

This table is used to store the campaign lot quality assurance sampling (LQAS) data.

##### **4.3.7.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
surveyor	Specify the name of surveyor.	Varchar	255	Yes
checked	Specify the checked.	Varchar	255	Yes
unvaccinated	Specify the unvaccinated.	Varchar	255	Yes
remarks	Specify the remarks.	Text	0	Yes
campaign_id	Specify the campaign ID.	Int	11	No
district_id	Specify the district ID.	Int	11	No
union_council_id	Specify the union council ID.	Int	11	No
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 4.3.7.2 Relationships:

<b>Table Names</b>	<b>Fields</b>	<b>Reference d Database</b>	<b>Reference d Table</b>	<b>Reference d Fields</b>	<b>On Delete/On Update</b>
campaign_lqas_data_campaigns_fk1	campaign_id	r2	campaigns	pk_id	RESTRICT
campaign_lqas_data_locations_fk2	district_id	r2	locations	pk_id	RESTRICT
campaign_lqas_data_locations_fk3	union_council_id	r2	locations	pk_id	RESTRICT
campaign_lqas_data_users_fk4	created_by	r2	users	pk_id	RESTRICT
campaign_lqas_data_users_fk5	modified_by	r2	users	pk_id	RESTRICT

#### 4.3.7.3 Related Indexes:

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
campaign_lqas_data_campaign_id_pk_id	campaign_id	Normal	BTREE
campaign_lqas_data_district_id_locations_pk_id	district_id	Normal	BTREE
campaign_lqas_data_union_council_id_locations_pk_id	union_council_id	Normal	BTREE
campaign_lqas_data_created_by_users_pk_id	created_by	Normal	BTREE
campaign_lqas_data_modified_by_users_pk_id	modified_by	Normal	BTREE

#### **4.3.8 Table Name: campaign\_districts**

This table is used to maintain campaign districts.

##### **4.3.8.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
campaign_id	Specify the campaign ID.	Int	11	No
district_id	Specify the district ID.	Int	11	No

#### 4.3.8.2 Relationships:

Table Names	Fields	Referenced	Referenced	Referenced	On
		Database	Table	Fields	Delete/On Update
campaign_districts_campaigns_fk1	campaign_id	r2	campaigns	pk_id	RESTRICT
campaign_districts_locations_fk2	district_id	r2	locations	pk_id	RESTRICT

#### 4.3.8.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
campaign_districts_campaign_id_campaigns_pk_id	campaign_id	Normal	BTREE
campaign_districts_district_id_locations_pk_id	district_id	Normal	BTREE

#### **4.3.9 Table Name: campaign\_item\_pack\_sizes**

This table is used to maintain campaign item pack sizes.

##### **4.3.9.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
item_pack_size_id	Specify the item pack size ID.	Int	11	No
campaign_id	Specify the campaign ID.	Int	11	No

#### 4.3.9.2 Relationships:

Table Names	Fields	Referenced ed	Reference d Table	Referenc ed Fields	On Delete/ On Update
Database					
campaign_item_pack_sizes_item_pack_sizes_fk1	item_pack_size_id	r2	item_pack_sizes	pk_id	RESTRICT
campaign_item_pack_sizes_campaigns_fk2	campaign_id	r2	campaigns	pk_id	RESTRICT

#### 4.3.9.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
campaign_item_pack_sizes_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE
campaign_item_pack_sizes_campaign_id_campaigns_pk_id	campaign_id	Normal	BTREE

## 4.4 Models & Controllers

### 4.4.1 Add Campaign

#### 4.4.1.1 *Controller: ManageCampaigns*

- addCampaign()

#### 4.4.1.2 *Model: Campaigns*

- addCampaign()
- allDistricts()
- allDistrictsData()

## **4.4.2 Data Entry History**

### **4.4.2.1 *Controller: ManageCampaigns***

- dataEntryHistory()

### **4.4.2.2 *Model: Campaigns***

- getCampaignEnteredData()
- getCampaignDataEntry()

### **4.4.3 Search Campaign**

#### **4.4.3.1 *Controller: ManageCampaigns***

- Index()

#### **4.4.3.2 *Model: Campaigns***

- getAllCampaigns()
- addCampaign()
- allDistricts()
- allDistrictsData()
- updateCampaignAction()

#### **4.4.4 Campaign Types**

##### **4.4.4.1 Controller: ManageCampaigns**

- campaignTypes()
- addCampaignType()
- updateCampaignType()
- checkCampaignType()

##### **4.4.4.2 Model: CampaignTypes**

- getCampaignTypes()
- checkCampaignType()

## **4.4.5 Campaigns Target**

### **4.4.5.1 *Controller: ManageCampaigns***

- campaignsTarget()
- addCampaignTarget()
- campaignTargetImport()

### **4.4.5.2 *Model: CampaignTarget***

- getAllCampaignTargets()
- getCampaignTargets()
- deleteCampaignData()
- getOldCampaignTarget()

#### **4.4.6 LQAS Data Entry**

##### **4.4.6.1 *Controller: ManageCampaigns***

- lqasDataEntryAction()
- addCampaignLqasAction()
- updateCampaignLqasAction()

##### **4.4.6.2 *Model: Campaigns***

- getAllCampaignsLqasData()

## **4.4.7 New Data Entry**

### **4.4.7.1 *Controller: ManageCampaigns***

- newDataEntry()

### **4.4.7.2 *Model: Campaigns***

- getCampaignDataEntry()
- getCampaignDataWH()
- deleteCampaignData()
- repUpdateDataCampaign()
- addCampaignData()
- repUpdateDataCampaign()
- updateCampaignData()
- getCampaignEnteredData()

#### **4.4.8 Reported Ucs**

##### **4.4.8.1 *Controller: ManageCampaigns***

- reportedUcs()

##### **4.4.8.2 *Model: Campaigns***

- getAllDistrictUcs()
- getAllReportedUcs()

## **4.4.9 Campaign Readiness**

### **4.4.9.1 *Controller: ManageCampaigns***

- campaignReadiness()
- addCampaignReadiness()
- updateCampaignReadiness()

### **4.4.9.2 *Model: CampaignReadiness***

- getCampaignReadiness()



#### **4.4.10 Campaign Readiness UC**

##### **4.4.10.1 *Controller: ManageCampaigns***

- campaignReadinessUc()
- addCampaignReadinessUc()
- updateCampaignReadinessUc()

##### **4.4.10.2 *Model: CampaignReadiness***

- getCampaignReadinessUc()

## 4.5 Screens

### Add Campaign

#### Manage Campaigns

**Add New Campaign**

Name NIDs tOPV (Campaign) 01 Oct 2014- 31 Oct	Campaign Type/SIA NIDs
Date From 01/10/2014	Date To 31/10/2014
Districts Bahawalpur Bajaur Agency Balida Dera Ghazi Khan Faisalabad FR Dera Ismail Khan FR Lakkhi Marwat FR Peshawar FR Tank	Selected Districts Charsadda FR Bannu FR Kohat
Vaccine bOPV(Campaign) <b>tOPV (Campaign)</b> mOPV(Campaign) Measles-10 (Campaign) DIL Measles-10 (Campaign)	
Catch up days 3	
<b>Save</b>	

### Data Entry History

#### Campaigns Data Entry Details

**Campaigns Data Search**

Campaigns NIDs tOPV (Campaign) 14 Oct 2014- 14 C	Province Balochistan	District Jaffarabad	Product tOPV (Campaign)	Day All	Action	
5 records					Search: <input type="text"/>	
Sr.No.	UC	Daily Target	Reported Teams	Age 0-5 Months	Total Coverage	Action
1	Ahmedabad	1,897	15	0	2,056	<a href="#">View</a>
2	Aliabad Jamali	4,045	30	0	4,175	<a href="#">View</a>
3	Bagh Head	2,806	36	0	2,831	<a href="#">View</a>
4	Band Manik	2,452	21	0	2,521	<a href="#">View</a>
5	Cattle Farm	3,563	39	0	3,639	<a href="#">View</a>
6	Chalgrri	3,576	36	0	3,648	<a href="#">View</a>
7	Faizabad	2,510	15	0	2,585	<a href="#">View</a>
8	Gandakha	3,055	36	0	3,105	<a href="#">View</a>
9	Gandar	3,533	33	0	3,590	<a href="#">View</a>
10	Hadeero	2,242	18	0	2,263	<a href="#">View</a>

Showing 1 to 10 of 19 entries

## Search Campaign

### Manage Campaigns

Campaigns Search

Campaign Name	Campaign Type	Vaccine	Search	Reset
NIDs tOPV (Campaign) 14 Oct 2014- 14 O	NIDs	tOPV (Campaign)	Search	Reset

Campaigns List

records per page	Add New Campaign			
10				
Campaign Name	Date From	Date To	Catch Up Days	Action
NIDs tOPV (Campaign) 14 Oct 2014- 14 Oct 2014	14/10/2014	14/10/2014	0	<a href="#">Open</a> <a href="#">Edit</a>

Showing 1 to 1 of 1 entries

### Campaign Types

#### Campaign Types

Campaign Type Search

Campaign Type	Search	Reset
SIADS	Search	Reset

Campaign Type List

records per page	Add Campaign Type
10	
Campaign type	Action
SIADS	<a href="#">Edit</a>

Showing 1 to 1 of 1 entries

## Campaigns Target

Target Management

Campaigns Target

Search Target For  
 NIDs tOPV (Campaign) 14 Oct 2014- 14 Oct 2014

Province  
 Balochistan

District  
 Jaffarabad

Vaccine  
 tOPV (Campaign)

Search

Reset

5
records
Search:

Sr.No.	Province	District	UC	Target
1	Balochistan	Jaffarabad	Ahmedabad	1897
2	Balochistan	Jaffarabad	Bagh Head	2806
3	Balochistan	Jaffarabad	Gandakha	3055
4	Balochistan	Jaffarabad	Noshki Jadeed	3558
5	Balochistan	Jaffarabad	Sibi Jadeed	1747
6	Balochistan	Jaffarabad	Band Manik	2452
7	Balochistan	Jaffarabad	Cattle Farm	3563
8	Balochistan	Jaffarabad	Chalgri	3576
9	Balochistan	Jaffarabad	Rojhan Jamali	2145
10	Balochistan	Jaffarabad	Samoo	3415

Showing 1 to 10 of 19 entries

Add/Edit
Import

## LQAS Data Entry

### LQAS Data Entry

Campaign NIDs tOPV	Province Punjab	District Bahawalpu	Uc 188/M
Surveyor 10	Checked 5	Unvaccinated 2	Remarks In Progress
<input style="background-color: #009640; color: white; padding: 5px; border: none; font-weight: bold; width: 100px;" type="button" value="Save"/>			

## LQAS – Search Entry

LQAS Data Entry

LQAS Data Entry Search

Campaign
NIDs tOPV (Campaign) 01 Oct 2014- 31 Oct 2014

**Search** **Reset**

LQAS Data Entry List

LQAS Data Entry List						
10 records per page						
UC	Surveyor	Checked	Unvaccinated	Remarks	Action	
188/M	10	5	2	In Progress	<input checked="" type="checkbox"/>	

Showing 1 to 1 of 1 entries

Add LQAS

## New Data Entry

Data Entry (Control Room)

Campaign	Product	Day	UC	Daily Target
NIDs tOPV (Campaign) 14 Oct 2014- 14 Oct 2014	tOPV (Campaign)	1 - 14/10/2014	Hattri A	10
No. of Teams Reported	Age 0-5 Months	Age 6-59 Months	Total Coverage	
2	1000	1500	2500	
Household Visited	Household with Multiple Families			
10	10			
Recorded NA/Missed	Recorded Refusal	Covered NA/Missed	Refusal Covered	
100	5	5	2	
Covered Mobile Children	Reported with Weakness	Zero Dose < Year	Inaccessible Coverage	
70	1	0	1	
Vials Given	Vials Used	Vials with stage 3 or 4	Vials Returned	
100	80	20	0	

Save

## Reported UC's

### Reported UCs

Reported UCs Search

Campaign	Total UCs	Reported UCs	Reporting Rate
NIDs tOPV (Campaign) 14 Oct 2014- 14 Oct 2014	46	46	100%

Reported UCs List

Sr.No.	UC	Reporting Status
1	Centt 1A	Reported
2	Hattri A	Reported
3	Husri	Reported
4	HYDERABAD-10	Reported
5	HYDERABAD-11	Reported
6	HYDERABAD-12	Reported
7	HYDERABAD-14	Reported
8	HYDERABAD-15	Reported
9	HYDERABAD-16	Reported
10	HYDERABAD-17	Reported

## Campaign Readiness

Add Campaign Readiness

Campaign		
NIDs tOPV (Campaign) 14 Oct 2014- 14		
Vaccine	Vials Required	Vials Available
tOPV (Campaign)	12733	
No. of tally sheets received	No. of finger markers received	
50	10	
Arrival date of social mobilization material	Date of DPEC Meeting	
29/10/2014	29/10/2014	
<input checked="" type="checkbox"/> Dco Attended Meeting		
<input checked="" type="checkbox"/> Edo Attended Meeting		
<input checked="" type="checkbox"/> All Members Attended Meeting		
Remarks		
In Progress		
<input type="button" value="Save"/>		

## Campaign Readiness UC – Search

Campaign Readiness

Campaign Readiness Search

Campaign  
NIDs tOPV (Campaign) 14 Oct 2014- 14 Oct 2014

Search Reset

Campaign Readiness List

10 records per page Add Campaign Readiness

District	Campaign	No. of tally sheets received	No. of finger markers received	Arrival Date of social mobilization material	Action
Hyderabad	NIDs tOPV (Campaign) 14 Oct 2014- 14 Oct 2014	100	2	01/10/2014	<input checked="" type="checkbox"/>

Showing 1 to 1 of 1 entries

## Campaign Readiness UC

Add Campaign Readiness

Campaign  
NIDs tOPV (Campaign) 14 Oct 2014- 14

Vaccine	Vials Required	Vials Available
tOPV (Campaign)	12733	

No. of tally sheets received No. of finger markers received

100 10

Arrival date of social mobilization material Date of DPEC Meeting

07/10/2014 06/10/2014

Dco Attended Meeting  
 Edo Attended Meeting  
 All Members Attended Meeting

Remarks  
In Progress

Save

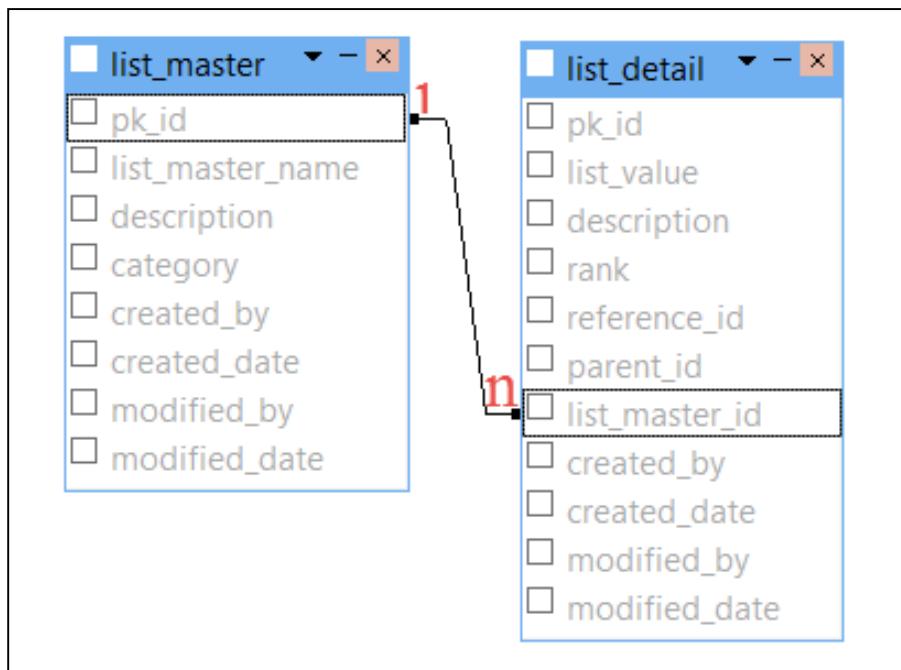
# SYSTEM CONFIGURATION

## 4.6 Table Definition

Sr No.	Table Name	Definition
1.	system	Manage system related attributes.
2.	list_detail	Its lookup table, they are used for display purposes rather than computations.
3.	list_master	The concept of pre-calculating a function and storing the outputs.

## 4.7 Relationship Diagrams

### 4.7.1 Lists (Lookup Values)



## 4.8 Tables

### 4.8.1 Table Name: system

This table is used to store system information.

#### 4.8.1.1 *Table Properties*

Field Name	Description	Type	Length	Null
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
start_date	Specify the starting date of the system.	Datetime	0	Yes
tag_line	Specify the tag line of the system.	Varchar	100	Yes

## 4.8.2 Table Name: list\_detail

All lookup entities will be saved in this table, and list table's values will be fetched from here.

### 4.8.2.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the list ID. It is auto increment.	Int	11	No
list_value	Specify the name of the list value.	Varchar	100	Yes
description	Specify the description.	Text	0	Yes
rank	Its display order.	Int	11	Yes
reference_id	Specify the reference ID.	Int	11	Yes
parent_id	It refers the parent list detail ID.	Int	11	Yes
list_master_id	Specify the list master ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	Yes
modified_date	Specify the modified Date.	Timestamp	0	Yes

#### 4.8.2.2 Relationships:

<b>Table Names</b>	<b>Fields</b>	<b>Reference d Database</b>	<b>Reference d Table</b>	<b>Reference d Fields</b>	<b>On Delete/On Update</b>
list_detail_list_master_id_list_master_fk1	list_master_id	r2	list_master	pk_id	RESTRICT
list_detail_created_by_users_fk2	created_by	r2	users	pk_id	RESTRICT
list_detail_modified_by_users_fk3	modified_by	r2	users	pk_id	RESTRICT

#### 4.8.2.3 Related Indexes:

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
list_detail_list_master_id_list_master_pk_id	list_master_id	Normal	BTREE
list_detail_created_by_users_pk_id	created_by	Normal	BTREE
list_detail_modified_by_users_pk_id	modified_by	Normal	BTREE

#### **4.8.3 Table Name: list\_master**

This table is used to store lookup entities.

##### **4.8.3.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
list_master_name	Specify the name of the master table.	Varchar	100	Yes
description	Specify the description of the field.	Text	0	Yes
category	Specify the category, i.e. IM(Inventory Management) and CC(Cold Chain).	Enum	0	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	Yes

#### 4.8.3.2 Relationships:

Table Names	Fields	Referenced	Referenced	Referenced	On
		Database	Table	Fields	Delete/On Update
list_master_created_by_users_fk1	created_by	r2	users	pk_id	RESTRICT
list_master_modified_by_users_fk2	modified_by	r2	users	pk_id	RESTRICT

#### 4.8.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
list_master_created_by_users_pk_id	created_by	Normal	BTREE
list_master_modified_by_users_pk_id	modified_by	Normal	BTREE

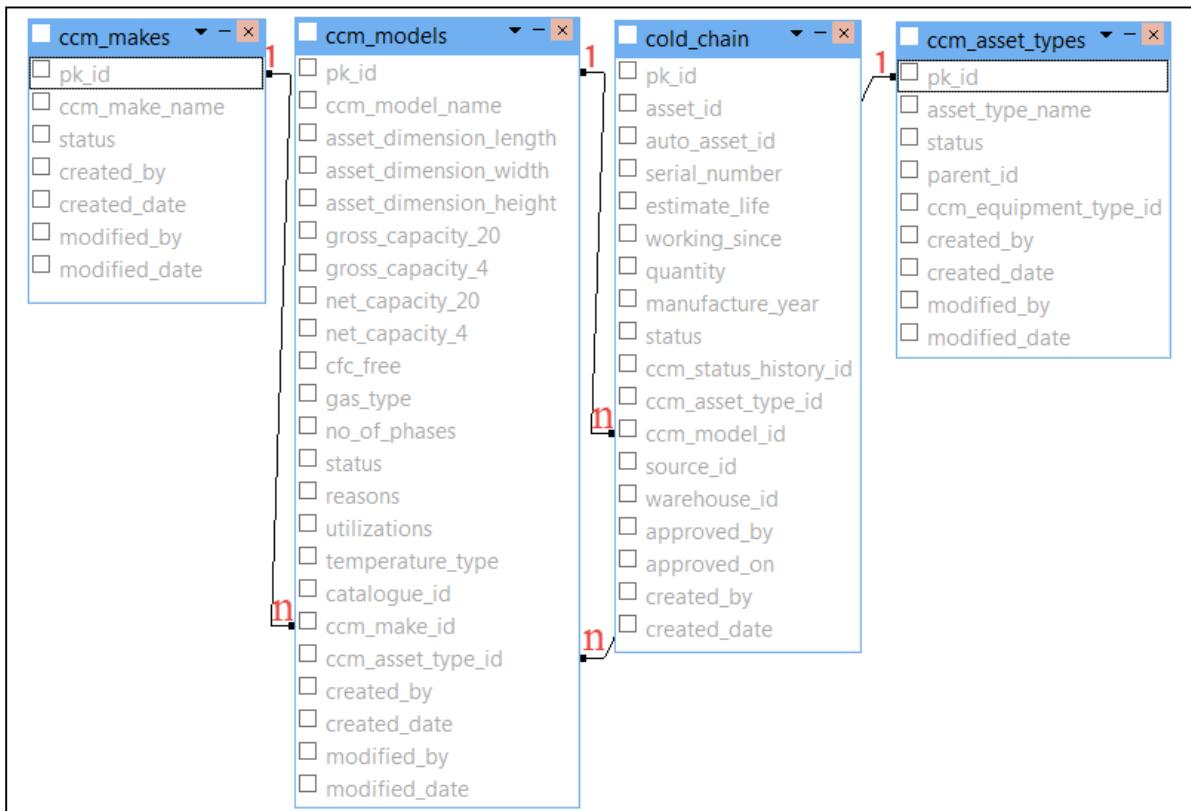
## 5. COLD CHAIN EQUIPMENT MANAGEMENT

### 5.1 Table Definition

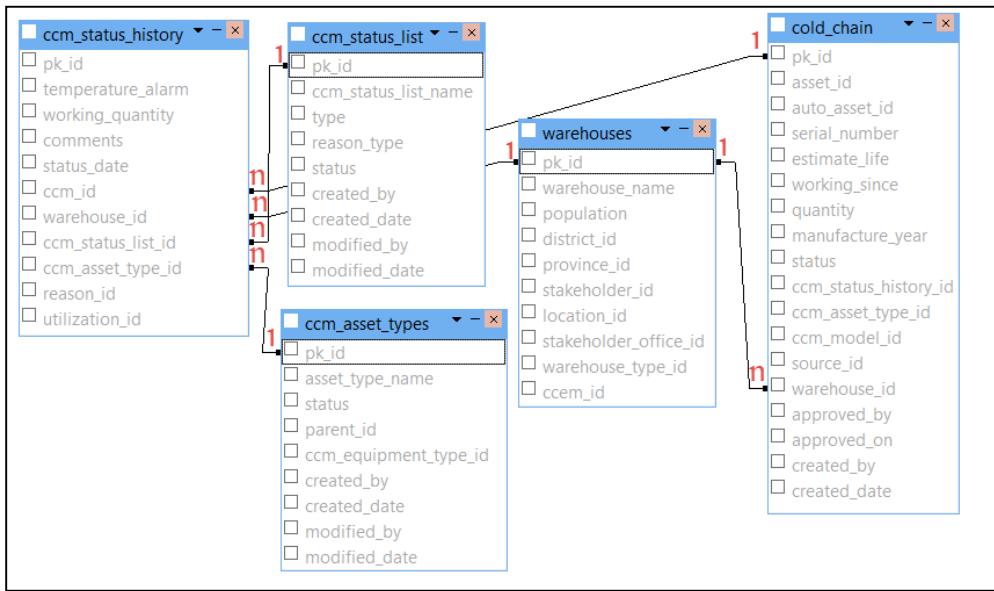
Sr No.	Table Name	Definition
1.	ccm_asset_types	Definition of cold chain asset types.
2.	ccm_cold_rooms	Maintain the cold rooms of the cold chain.
3.	ccm_equipment_types	Definition of cold chain equipment types.
4.	ccm_generators	Maintain the cold chain generators.
5.	ccm_generators_use	Maintain the cold chain generators use.
6.	ccm_history	Definition of cold chain history.
7.	ccm_makes	Maintain the cold chain history.
8.	ccm_models	Maintain the cold chain models.
9.	ccm_status_history	Maintain the cold chain history.
10.	ccm_status_list	Maintain the cold chain status list.
11.	ccm_transfer_history	Maintain the cold chain transfer history.
12.	ccm_vehicles	Definition of cold chain vehicles.
13	ccm_voltage_regulators	Definition of cold chain voltage regulators.
14.	cold_chain	Definition of cold chain.
15.	ccm_warehouses	Definition of cold chain warehouses.
16.	ccm_warehouses_solar_energy	Definition of cold chain warehouse solar energy.
17.	ccm_warehouses_vaccination_staff	Definition of cold chain warehouse vaccination staff.

## 5.2 Relationship Diagrams

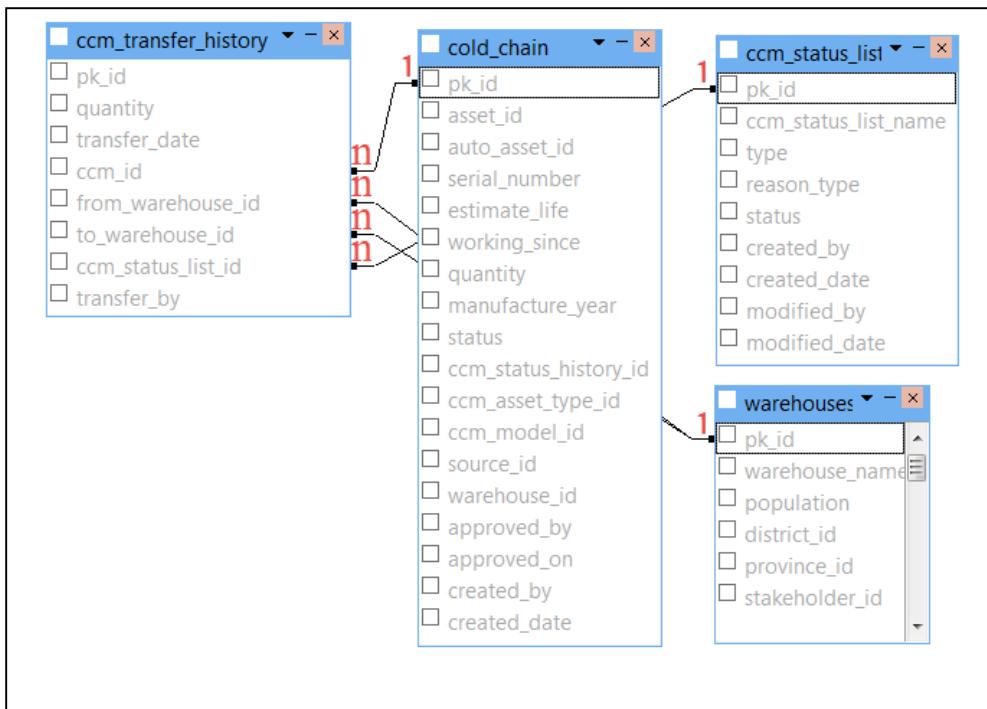
### 5.2.1 Cold Chain Assets Makes & Models



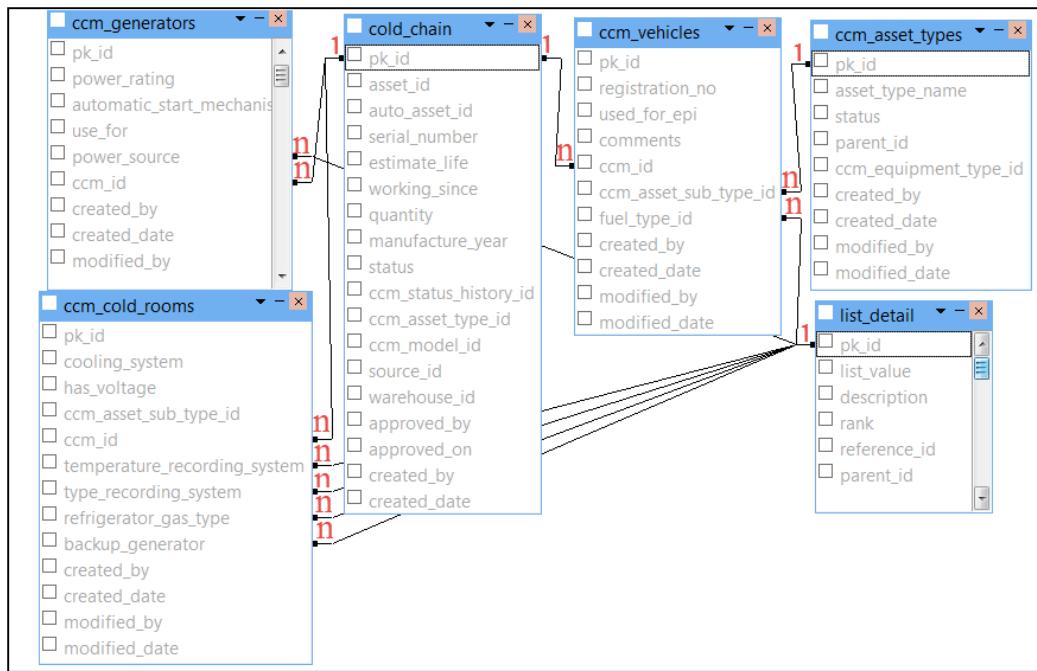
### 5.2.2 Cold Chain Assets Status History



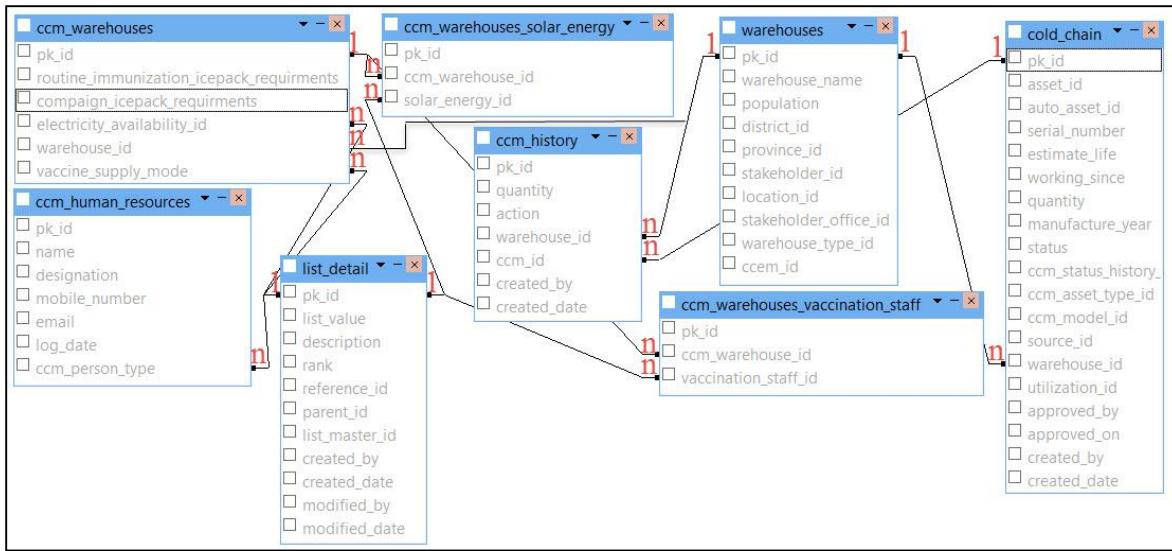
### 5.2.3 Cold Chain Asset Transfer History



#### 5.2.4 Cold Chain Assets Registration



## 5.2.5 Cold Chain Others



## 5.3 Tables

### 5.3.1 Table Name: ccm\_asset\_types

This table is used to store asset type's information.

#### 5.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
asset_type_name	Specify the asset type name i.e. (Refrigerator/Freezer/ILR, Vaccine Carriers, Ice Packs, Cold Room, Voltage Regulator, Generator, Transport etc)	Varchar	100	Yes
status	Its status of the asset types that is either 0 or 1. 0 for inactive & 1 for active.	Tinyint	1	Yes
parent_id	It refers the parent asset ID.	Int	11	Yes
ccm_equipment_type_id	Specify the equipment type ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	Yes

### 5.3.1.2 Relationships:

<b>Table Names</b>	<b>Fields</b>	<b>Referenced Database</b>	<b>Referenced Table</b>	<b>Referenced Fields</b>	<b>On Delete/On Update</b>
ccm_asset_types_ccm_equipment_types_fk1	ccm_equipment_type_id	r2	ccm_equipment_types	pk_id	RESTRICT
ccm_asset_types_user_fk2	created_by	r2	users	pk_id	RESTRICT
ccm_asset_types_user_fk3	modified_by	r2	users	pk_id	RESTRICT

### 5.3.1.3 Related Indexes:

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
ccm_asset_types_ccm_equipment_type_id_ccm_equipment_types_pk_id	ccm_equipment_type_id	Normal	BTREE
ccm_asset_types_created_by_users_pk_id	created_by	Normal	BTREE
ccm_asset_types_modified_by_users_pk_id	modified_by	Normal	BTREE

### 5.3.2 Table Name: ccm\_cold\_rooms

This table is used to store information of cold chain room. This table attributes are related with cold room assets.

#### 5.3.2.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the cold chain detail ID. It is auto increment.	Int	11	No
cooling_system	Specify the cooling system name.	Int	11	Yes
has_voltage	Specify the voltage that is either 0 or 1. 0 for no voltage & 1 for voltage.	Tinyint	1	Yes
ccm_asset_sub_type_id	Specify the asset type ID.	Int	11	Yes
ccm_id	Specify the cold chain ID.	Int	11	No
temperature_recording_system	Specify the list detail ID for “Temperature Recording System”, which has ID equal to 1 in list master table and it has corresponding values from ID equal to 1 to 4 in list detail table.	Int	11	Yes
type_recording_system	Specify the list detail ID for “Type of Recording System”, which has ID equal to 2 in list master table and it has corresponding values from ID equal to 5 and 8 to 14 in list detail table.	Int	11	Yes
refrigerator_gas_type	Specify the list detail ID for “Refrigerant Gas Type”, which has ID equal to 3 in list master table and it has corresponding values from ID equal to 117 to 121 in list detail table.	Int	11	Yes

backup_generator	Specify the list detail ID for “Has Working Backup Generator”, which has ID equal to 4 in list master table and it has corresponding values from ID equal to 23 to 25 in list detail table.	Int	11	Yes
created_by	Specify the User ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	Yes

### 5.3.2.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
ccm_cold_rooms_ccm_asset_types_fk1	ccm_asset_sub_type_id	r2	ccm_asset_types	pk_id	RESTRICT
ccm_cold_rooms_coldchain_fk2	ccm_id	r2	cold_chain	pk_id	RESTRICT
ccm_cold_rooms_temperature_recording_system_list_detail_fk3	temperature_recording_system	r2	list_detail	pk_id	RESTRICT
ccm_cold_rooms_type_recording_system_list_detail_fk4	type_recording_system	r2	list_detail	pk_id	RESTRICT
ccm_cold_rooms_refrigerator_gas_type_list_detail_fk5	refrigerator_gas_type	r2	list_detail	pk_id	RESTRICT
ccm_cold_rooms_backup_generator_list_detail_fk6	backup_generator	r2	list_detail	pk_id	RESTRICT
ccm_cold_rooms_users_fk7	created_by	r2	users	pk_id	RESTRICT
ccm_cold_rooms_users_fk8	modified_by	r2	users	pk_id	RESTRICT

### 5.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_cold_rooms_ccm_asset_sub_type_id_ccm_asset_types_pk_id	ccm_asset_sub_type_id	Normal	BTREE
ccm_cold_rooms_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
ccm_cold_rooms_temperature_recording_system_list_detail_pk_id	temperature_recording_system	Normal	BTREE
ccm_cold_rooms_type_recording_system_list_detail_pk_id	type_recording_system	Normal	BTREE
ccm_cold_rooms_refrigerator_gas_type_list_detail_pk_id	refrigerator_gas_type	Normal	BTREE
ccm_cold_rooms_backup_generator_list_detail_pk_id	backup_generator	Normal	BTREE
ccm_cold_rooms_created_by_users_pk_id	created_by	Normal	BTREE
ccm_cold_rooms_modified_by_users_pk_id	modified_by	Normal	BTREE

### **5.3.3 Table Name: ccm\_equipment\_types**

This table is used to store information of equipment's type.

#### **5.3.3.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the equipment type ID. It is auto increment.	Int	11	No
equipment_type_name	Specify the equipment type name.	Varchar	100	Yes
status	Its status of the equipment types that is either 0 or 1. 0 for inactive & 1 for active.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	Yes

**5.3.3.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
ccm_equipment_types_users_fk1	created_by	r2	users	pk_id	RESTRICT
ccm_equipment_types_users_fk2	modified_by	r2	users	pk_id	RESTRICT

**5.3.3.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
ccm_equipment_types_created_by_users_pk_id	created_by	Normal	BTREE
ccm_equipment_types_modified_by_users_pk_id	modified_by	Normal	BTREE

### **5.3.4 Table Name: ccm\_generators**

This table is used to store information of cold chain generators. This table attributes are related with generator assets.

#### **5.3.4.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain generator ID. It is auto increment.	Int	11	No
power_rating	Specify the power rating.	Varchar	50	Yes
automatic_start_mechanism	Specify mechanism that is either 0 or 1. 0 for no & 1 for yes.	Tinyint	1	Yes
use_for	Specify the assets.	Varchar	50	Yes
power_source	Specify the list detail ID for “Temperature Recording System” and “Type of Fuel”, which has ID equal to 1 and 5 in list master table respectively and it has corresponding values from ID equal to 1 to 4 and 26 to 28in list detail table.	Int	11	No
ccm_id	Specify the cold chain ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	No

#### 5.3.4.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
ccm_generator_list_detail_fk1	power_source	r2	list_detail	pk_id	RESTRICT
ccm_generator_cold_chain_fk2	ccm_id	r2	cold_chain	pk_id	RESTRICT
ccm_generator_users_fk3	created_by	r2	users	pk_id	RESTRICT
ccm_generator_users_fk4	modified_by	r2	users	pk_id	RESTRICT

#### 5.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_generator_power_source_list_detail_pk_id	power_source	Normal	BTREE
ccm_generator_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
ccm_generator_created_by_users_pk_id	created_by	Normal	BTREE
ccm_generator_modified_by_users_pk_id	modified_by	Normal	BTREE

### **5.3.5 Table Name: ccm\_generators\_use**

This table is used to store information of cold chain generators use. This table attributes are related with generator assets.

#### **5.3.5.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain generator use ID. It is auto increment.	Int	11	No
ccm_generator_id	Specify the cold chain generator ID.	Int	11	Yes
use_for	Specify the list detail ID for “Use For”, which has ID equal to 6 in list master table and it has corresponding values from ID equal to 89,90,92 in list detail table.	Int	11	Yes

**5.3.5.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
ccm_generators_use_ccm_generators_fk1	ccm_generator_id	r2	ccm_generators	pk_id	RESTRICT
ccm_generators_use_list_detail_fk2	use_for	r2	ccm_generators_use	pk_id	RESTRICT

**5.3.5.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
ccm_generators_use_ccm_generator_id_ccm_generators_pk_id	ccm_generator_id	Normal	BTREE
ccm_generators_use_use_for_list_detail_pk_id	use_for	Normal	BTREE

### **5.3.6 Table Name: ccm\_history**

This table is used to store information of cold chain history.

#### **5.3.6.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain status history ID. It is auto increment.	Int	11	No
quantity	Specify the remaining quantity of waste.	Int	11	Yes
action	Specify the list detail ID for “Type of Recording System”, which has ID equal to 2 in list master table respectively and it has corresponding values from ID equal to 5 and 8 to 14in list detail table.	Int	11	No
warehouse_id	Specify the warehouse ID.	Int	11	No
ccm_id	Specify the cold chain ID.	Int	11	No
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No

### 5.3.6.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
ccm_history_list_detail_fk1	action	r2	list_detail	pk_id	RESTRICT
ccm_history_warehouses_fk2	warehouse_id	r2	warehouses	pk_id	RESTRICT
ccm_history_cold_chain_fk3	ccm_id	r2	cold_chain	pk_id	RESTRICT
ccm_history_users_fk4	created_by	r2	users	pk_id	RESTRICT

### 5.3.6.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_history_action_list_detail_pk_id	action	Normal	BTREE
ccm_history_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
ccm_history_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
ccm_history_created_by_users_pk_id	created_by	Normal	BTREE

### **5.3.7 Table Name: ccm\_makes**

This table is used to store information of asset's manufacture.

#### **5.3.7.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain make ID. It is auto increment.	Int	11	No
ccm_make_name	Specify the asset make name i.e. (Dawlance, Spencers, Haier etc)	Varchar	100	Yes
status	Its status of the cold chain makes that is either 0 or 1. 0 for inactive & 1 for active.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	Yes

**5.3.7.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
ccm_make_users_fk1	created_by	r2	users	pk_id	RESTRICT
ccm_make_users_fk2	modified_by	r2	users	pk_id	RESTRICT

**5.3.7.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
ccm_makes_created_by_users_pk_id	created_by	Normal	BTREE
ccm_makes_modified_by_users_pk_id	modified_by	Normal	BTREE

### 5.3.8 Table Name: ccm\_models

To store models and its corresponding manufacturer information will be stored.

#### 5.3.8.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the cold chain model ID. It is auto increment.	Int	11	No
ccm_model_name	Specify the asset model name.	Varchar	100	Yes
asset_dimension_length	Specify the dimension length of the asset.	Int	11	Yes
asset_dimension_width	Specify the dimension width of the asset.	Int	11	Yes
asset_dimension_height	Specify the dimension height of the asset.	Int	11	Yes
internal_dimension_length	Specify the dimension length of the internal.	Int	11	Yes
internal_dimension_width	Specify the dimension width of the internal.	Int	11	Yes
internal_dimension_height	Specify the dimension height of the internal.	Int	11	Yes
storage_dimension_length	Specify the dimension length of the storage.	Int	11	Yes
storage_dimension_width	Specify the dimension width of the storage.	Int	11	Yes
storage_dimension_height	Specify the dimension height of the storage.	Int	11	Yes
gross_capacity_20	Specify the 20oc gross capacity.	Double	0	Yes
gross_capacity_4	Specify the 4oc gross capacity.	Double	0	Yes
net_capacity_20	Specify the 20oc net capacity.	Double	0	Yes
net_capacity_4	Specify the 4oc net capacity.	Double	0	Yes
cfc_free	Specify cfc free that is either 0 or 1. 0 for no & 1 for yes.	Tinyint	1	Yes
no_of_phases	Specify no of phases that is either 1 or 3. 0 for 1 & 1 for 3.	Tinyint	1	Yes

is_pqs	Specify performance quality safety that is either 1 or 0. 1 for Yes & 0 for No.	Tinyint	1	Yes 11
status	Its status of the cold chain models that is either 0 or 1. 0 for inactive & 1 for active.	Tinyint	1	Yes
reasons	Specify the reasons.	Varchar	100	Yes
utilizations	Specify the utilization.	Varchar	100	Yes
temperature_type	Specify the temperature type.	Tinyint	1	Yes
catalogue_id	Specify the catalogue ID of the cold chain asset.	Varchar	50	Yes
product_price	Specify the price of product.	Int	11	Yes
cold_life	Specify the cold life.	Varchar	50	Yes
gas_type	Specify the list detail ID for “Refrigerant Gas Type”, which has ID equal to 3 in list master table respectively and it has corresponding values from ID equal to 117 to 121in list detail table.	Int	11	Yes
power_source	Specify the list detail ID for “Power Source”, which has ID equal to 29 in list master table respectively and it has corresponding values from ID equal to 134 to 139 in list detail table.	Int	11	Yes
ccm_make_id	Specify the cold chain make ID.	Int	11	Yes
ccm_asset_type_id	Specify the asset type ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	Yes

### 5.3.8.2 Relationships:

Table Names	Fields	Reference d	Referenced Table	Reference d Fields	On Delete/O n Update
Database					
ccm_models_list_detail_fk1	gas_type	r2	list_detail	pk_id	RESTRICT
ccm_models_list_detail_fk2	power_source	r2	list_detail	pk_id	RESTRICT
ccm_models_ccm_makes_fk3	ccm_make_id	r2	ccm_makes	pk_id	RESTRICT
ccm_models_ccm_asset_types_fk4	ccm_asset_type_id	r2	ccm_asset_types	pk_id	RESTRICT
ccm_models_users_fk5	created_by	r2	users	pk_id	RESTRICT
ccm_models_users_fk6	modified_by	r2	users	pk_id	RESTRICT

### 5.3.8.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_models_gas_type_list_detail_pk_id	gas_type	Normal	BTREE
ccm_models_power_source_list_detail_pk_id	power_source	Normal	BTREE
ccm_models_ccm_make_id_ccm_makes_pk_id	ccm_make_id	Normal	BTREE
ccm_models_asset_type_id_ccm_asset_types_pk_id	ccm_asset_type_id	Normal	BTREE
ccm_models_created_by_users_pk_id	created_by	Normal	BTREE
ccm_models_modified_by_users_pk_id	modified_by	Normal	BTREE

### **5.3.9 Table Name: ccm\_status\_history**

This table is used to store information of cold chain status history.

#### **5.3.9.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain status history ID. It is auto increment.	Int	11	No
temperature_alarm	Specify the status of temperature alarm.	Int	11	Yes
working_quantity	Specify the working quantity of the temperature alarms.	Int	11	Yes
comments	Specify the comments.	Text	0	Yes
status_date	Specify the status date.	Datetime	0	Yes
ccm_id	Specify the cold chain ID.	Int	11	No
warehouse_id	Specify the warehouse ID.	Int	11	No
ccm_status_list_id	Specify the status list ID.	Int	11	Yes
ccm_asset_type_id	Specify the asset type ID.	Int	11	Yes
reason_id	Specify the reason ID	Int	11	Yes
utilization_id	Specify the utilization ID	Int	11	Yes

### 5.3.9.2 Relationships:

Table Names	Fields	Referenced ed	Referenced Table	Referenc ed Fields	On Delete/ On Update
ccm_status_history_cold_chain_fk1	ccm_id	r2	cold_chain	pk_id	RESTRICT
ccm_status_history_warehouses_fk2	warehouse_id	r2	warehouses	pk_id	RESTRICT
ccm_status_history_ccm_status_list_fk3	ccm_status_list_id	r2	ccm_status_list	pk_id	RESTRICT
ccm_status_history_ccm_asset_types_fk4	ccm_asset_type_id	r2	ccm_asset_types	pk_id	RESTRICT
ccm_status_history_ccm_status_list_pk_id_fk5	reason_id	r2	ccm_status_list	pk_id	RESTRICT
ccm_status_history_ccm_status_list_fk6	utilization_id	r2	ccm_status_list	pk_id	RESTRICT

### 5.3.9.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_status_history_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
ccm_status_history_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
ccm_status_history_ccm_status_list_pk_id	ccm_status_list_id	Normal	BTREE
ccm_status_history_ccm_asset_type_id_ccm_asset_types_pk_id	ccm_asset_type_id	Normal	BTREE
ccm_status_history_reason_id_ccm_status_list_pk_id	reason_id	Normal	BTREE
ccm_status_history_utilization_id_ccm_status_list_pk_id	utilization_id	Normal	BTREE

### **5.3.10 Table Name: ccm\_status\_list**

This table is used to store information of cold chain status list.

#### **5.3.10.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain status list ID. It is auto increment.	Int	11	No
ccm_status_list_name	Specify the asset status list name i.e. (Unallocated, Working, Not Working etc)	Varchar	100	Yes
type	Specify the type.	Tinyint	4	Yes
reason_type	Specify the reason type.	Tinyint	1	Yes
status	Its status of the status list that is either 0 or 1. 0 for inactive & 1 for active.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	Yes

**5.3.10.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
ccm_status_list_users_fk1	created_by	r2	users	pk_id	RESTRICT
ccm_status_list_users_fk2	modified_by	r2	users	pk_id	RESTRICT

**5.3.10.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
ccm_status_list_created_by_users_pk_id	created_by	Normal	BTREE
ccm_status_list_modified_by_users_pk_id	modified_by	Normal	BTREE

### **5.3.11 Table Name: ccm\_transfer\_history**

This table is used to store information of cold chain transfer history.

#### **5.3.11.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain transfer history ID. It is auto increment.	Int	11	No
quantity	Specify the quantity to be transferred.	Int	11	Yes
transfer_date	Specify the asset transfer date.	Datetime	0	Yes
ccm_id	Specify the cold chain ID.	Int	11	No
from_warehouse_id	Specify the warehouse issued ID.	Int	11	No
to_warehouse_id	Specify the warehouse received ID.	Int	11	No
ccm_status_list_id	Specify the status list ID.	Int	11	No
transfer_by	Specify the user ID.	Int	11	Yes

### 5.3.11.2 Relationships:

Table Names	Fields	Referenced Database	Reference d Table	Referenc ed Fields	On Delete/ On Update
ccm_transfer_history_cold_chain_fk1	ccm_id	r2	cold_chain	pk_id	RESTRICT
ccm_transfer_history_warehouses_fk2	from_warehouse_id	r2	warehouses	pk_id	RESTRICT
ccm_transfer_history_warehouses_fk3	to_warehouse_id	r2	warehouses	pk_id	RESTRICT
ccm_transfer_history_ccm_status_list_fk4	ccm_status_list_id	r2	ccm_status_list	pk_id	RESTRICT
ccm_transfer_history_users_fk5	transfer_by	r2	users	pk_id	RESTRICT

### 5.3.11.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_transfer_history_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
ccm_transfer_history_from_warehouse_id_warehouses_pk_id	from_warehouse_id	Normal	BTREE
ccm_transfer_history_to_warehouse_id_warehouses_pk_id	to_warehouse_id	Normal	BTREE
ccm_transfer_history_ccm_status_list_id_ccm_status_list_pk_id	ccm_status_list_id	Normal	BTREE
ccm_transfer_history_transfer_by_users_pk_id	transfer_by	Normal	BTREE

### **5.3.12 Table Name: ccm\_vehicles**

This table is used to store information of cold chain vehicles. This table attributes are related with vehicles assets.

#### **5.3.12.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain vehicles ID. It is auto increment.	Int	11	No
registration_no	Specify the registration number of the vehicle.	Varchar	100	Yes
used_for_epi	Specify if the vehicle is used for epi.	Int	11	Yes
comments	Specify the comments.	Text	0	Yes
ccm_id	Specify the cold chain ID.	Int	11	Yes
ccm_asset_sub_type_id	Specify the asset type ID.	Int	11	Yes
fuel_type_id	Specify the list detail ID for “Type of Fuel”, which has ID equal to 5 in list master table and it has corresponding values from ID equal to 26 to 28 in list detail table.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	Yes
modified_date	Specify the modified Date.	Timestamp	0	Yes

### 5.3.12.2 Relationships:

Table Names	Fields	Referenced Database	Reference Table	Referenced Fields	On Delete/On Update
ccm_vehicles_cold_chain_fk1	ccm_id	r2	cold_chain	pk_id	RESTRICT
ccm_vehicles_ccm_asset_types_fk2	ccm_asset_sub_type_id	r2	ccm_asset_types	pk_id	RESTRICT
ccm_vehicles_list_detail_id_list_detail_pk_id_fk3	fuel_type_id	r2	list_detail	pk_id	RESTRICT
ccm_vehicles_users_fk4	created_by	r2	users	pk_id	RESTRICT
ccm_vehicles_users_fk5	modified_by	r2	users	pk_id	RESTRICT

### 5.3.12.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_vehicles_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
ccm_vehicles_ccm_asset_sub_type_id_ccm_asset_types_pk_id	ccm_asset_sub_type_id	Normal	BTREE
ccm_vehicles_fuel_type_id_list_detail_pk_id	list_detail_id	Normal	BTREE
ccm_vehicles_created_by_users_pk_id	created_by	Normal	BTREE
ccm_vehicles_modified_by_users_pk_id	modified_by	Normal	BTREE

### **5.3.13 Table Name: ccm\_voltage\_regulators**

This table is used to store information of cold chain voltage regulator. This table attributes are related with voltage regulators assets.

#### **5.3.13.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain voltage regulator ID. It is auto increment.	Int	11	No
nominal_voltage	Specify the nominal voltage of the voltage regulator.	Int	11	Yes
continous_power	Specify the continous power of the voltage regulator.	Int	11	Yes
frequency	Specify the frequency.	Varchar	50	Yes
input_voltage_range	Specify the input voltage range.	Varchar	50	Yes
output_voltage_range	Specify the output voltage range.	Varchar	50	Yes
ccm_id	Specify the cold chain ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Timestamp	0	No

### 5.3.13.2 Relationships:

Table Names	Fields	Reference	Reference	Reference	On
		d	d Table	d Fields	Delete/O n Update
ccm_voltage_regulators_cold_chain_fk1	ccm_id	r2	cold_chain	pk_id	RESTRICT
ccm_voltage_regulators_users_fk2	created_by	r2	users	pk_id	RESTRICT
ccm_voltage_regulators_users_fk3	modified_by	r2	users	pk_id	RESTRICT

### 5.3.13.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_voltage_regulators_ccm_id_cold_chain_pk_id	ccm_id	Normal	BTREE
ccm_voltage_regulators_created_by_users_pk_id	created_by	Normal	BTREE
ccm_voltage_regulators_modified_by_users_pk_id	modified_by	Normal	BTREE

### **5.3.14 Table Name: cold\_chain**

This table is used to store information of cold chain.

#### **5.3.14.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the cold chain ID. It is auto increment.	Int	11	No
asset_id	Specify the cold chain record.	Varchar	50	Yes
auto_asset_id	Its unique system generated asset ID.	Int	11	Yes
serial_number	Specify the serial number of the asset.	Varchar	100	Yes
estimate_life	Specify the estimated life of the asset.	Smallint	6	Yes
working_since	Specify the time since the asset is being used.	Datetime	0	Yes
quantity	Specify the quantity of the asset.	Int	11	Yes
manufacture_year	Specify the manufacture year of assets.	Datetime	0	Yes
status	Its status of the cold chain that is either 0 or 1. 0 for inactive & 1 for active.	TinyInt	1	Yes
ccm_status_history_id	Specify the status history ID.	Int	11	Yes
ccm_asset_type_id	Specify the asset type ID.	Int	11	Yes
ccm_model_id	Specify the cold chain model ID.	Int	11	Yes
source_id	Specify the stakeholder ID.	Int	11	Yes
warehouse_id	Specify the warehouse ID.	Int	11	Yes
approved_by	Specify the approving person.	Int	11	Yes
approved_on	Specify the approval date.	Datetime	0	Yes
created_by	Specify the user ID.	Int	11	No

created_date	Specify the created Date.	Datetime	0	No
--------------	---------------------------	----------	---	----

### 5.3.14.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
cold_chain_ccm_status_history_fk1	ccm_status_history_id	r2	ccm_status_history	pk_id	RESTRICT
cold_chain_ccm_asset_types_fk2	ccm_asset_type_id	r2	ccm_asset_types	pk_id	RESTRICT
cold_chain_ccm_models_fk3	ccm_model_id	r2	ccm_models	pk_id	RESTRICT
cold_chain_stakeholders_fk4	source_id	r2	stakeholders	pk_id	RESTRICT
cold_chain_warehouses_fk5	warehouse_id	r2	warehouses	pk_id	RESTRICT
cold_chain_users_fk6	approved_by	r2	users	pk_id	RESTRICT
cold_chain_users_fk7	created_by	r2	users	pk_id	RESTRICT

### 5.3.14.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
cold_chain_ccm_status_history_id_ccm_status_history_pk_id	ccm_status_history_id	Normal	BTREE
cold_chain_ccm_asset_type_id_ccm_asset_types_pk_id	ccm_asset_type_id	Normal	BTREE
cold_chain_ccm_model_id_ccm_models_pk_id	ccm_model_id	Normal	BTREE

cold_chain_source_id_stakeholders_pk_id	source_id	Normal	BTREE
cold_chain_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
cold_chain_approved_by_users_pk_id	approved_by	Normal	BTREE
cold_chain_created_by_users_pk_id	created_by	Normal	BTREE

### **5.3.15 Table Name: ccm\_warehouses**

This table is used to store cold chain warehouses.

#### **5.3.15.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
routine_immunization_icepack_requirments	Specify the routine immunization icepack requirements.	Varchar	100	Yes
campaign_icepack_requirments	Specify the campaign icepack requirements.	Varchar	100	Yes
electricity_availability_id	Specify the list detail ID for “Grid Electricity Availability”, which has ID equal to 20 in list master table and it has corresponding values from ID equal to 94 to 106in list detail table.	Int	11	No
warehouse_id	Specify the warehouse ID.	Int	11	No
vaccine_supply_mode	Specify the list detail ID for “Vaccine Supply Mode”, which has ID equal to 24 in list master table and it has corresponding values from ID equal to 108 to 111in list detail table.	Int	11	No

### 5.3.15.2 Relationships:

Table Names	Fields	Reference d	Reference d Table	Reference d Fields	On Delete/O n	Update
Database						
ccm_warehouses_list_detail_fk 1	electricity_availability_id	r2	list_detail	pk_id		RESTRICT
ccm_warehouses_warehouses_fk2	warehouse_id	r2	warehouses	pk_id		RESTRICT
ccm_warehouses_list_detail_fk 3	vaccine_supply_mode	r2	list_detail	pk_id		RESTRICT

### 5.3.15.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_warehouses_electricity_availability_id_list_detail_pk_id	electricity_availability_id	Normal	BTREE
ccm_warehouses_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
ccm_warehouses_vaccine_supply_mode_list_detail_pk_id	vaccine_supply_mode	Normal	BTREE

### **5.3.16 Table Name: ccm\_warehouses\_solar\_energy**

This table is used to store ....

#### **5.3.16.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
ccm_warehouse_id	Specify the cold chain warehouse ID.	Int	11	Yes
solar_energy_id	Specify the list detail ID for “Solar Energy”, which hasID equal to 10 in list master table and it has corresponding values from ID equal to 40 to 41 in list detail table.	Int	11	Yes

### 5.3.16.2 Relationships:

Table Names	Fields	Referenced Database	Reference Table	Referenced Fields	On Delete/ On Update
ccm_warehouses_solar_energy_ccm_warehouses_fk1	ccm_warehouses_id	r2	ccm_warehouses	pk_id	RESTRICT
ccm_warehouses_solar_energy_list_detail_fk2	solar_energy_id	r2	list_detail	pk_id	RESTRICT

### 5.3.16.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
ccm_warehouses_solar_energy_ccm_w_id_ccm_warehouses_pk_id	ccm_warehouse_id	Normal	BTREE
ccm_warehouses_solar_energy_solar_energy_id_list_detail_pk_id	solar_energy_id	Normal	BTREE

### **5.3.17 Table Name: ccm\_warehouses\_vaccination\_staff**

This table is used to store .....

#### **5.3.17.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
ccm_warehouse_id	Specify the cold chain warehouse ID.	Int	11	Yes
vaccination_staff_id	Specify the list detail ID for “Vaccination Staff”, which has ID equal to 9 in list master table and it has corresponding values from ID equal to 32 to 39 and 42 in list detail table.	Int	11	Yes

**5.3.17.2 Relationships:**

Table Names	Fields	Referenced	Referenced Table	Referenced Fields	On Delete
ccm_warehouses_vaccination_staff_ccm_warehouses_fk1	ccm_warehouse_id	r2	ccm_warehouses_vaccination_staff	pk_id	RESTRICT
ccm_warehouses_vaccination_staff_list_detail_fk2	vaccination_staff_id	r2	list_detail	pk_id	RESTRICT

**5.3.17.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
ccm_warehouses_vaccination_staff_ccm_w_id_ccm_warehouses_pk_id	ccm_warehouse_id	Normal	BTREE
ccm_warehouses_vaccination_staff_id_list_detail_pk_id	vaccination_staff_id	Normal	BTREE

### **5.3.18 Table Name: ccm\_human\_resources**

This table is used to store .....

#### **5.3.18.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
name	Specify the name.	Varchar	50	Yes
designation	Specify the designation.	Varchar	50	Yes
mobile_number	Specify the mobile number.	Varchar	50	Yes
email	Specify the email.	Varchar	50	Yes
log_date	Specify the log date.	Datetime	0	Yes
ccm_person_type	Specify the list detail ID for “Cold Chain Person Type”, which has ID equal to 23 in list master table and it has corresponding values from ID equal to 101 to 102 in list detail table.	Int	11	No

5.3.18.2 *Relationships:*

<b>Table Names</b>	<b>Fields</b>	<b>Reference d</b>	<b>Reference d Table</b>	<b>Reference d Fields</b>	<b>On Delete/O n Update</b>
<b>Database</b>					
ccm_human_resources_list_detail_fk1	ccm_person_type	r2	list_detail	pk_id	RESTRICT

5.3.18.3 *Related Indexes:*

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
ccm_human_resources_ccm_person_type_list_detail_pk_id	ccm_person_type	Normal	BTREE

## 5.4 Models & Controllers

### 5.4.1 Search Refrigerator

#### 5.4.1.1 *Controller: ColdChain*

- searchRefrigerator()

#### 5.4.1.2 *Model: ColdChain*

- searchRefrigerator()

#### 5.4.1.3 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

#### 5.4.1.4 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivisionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

#### 5.4.1.5 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## 5.4.2 Add Refrigerator

### 5.4.2.1 *Controller: ColdChain*

- addRefrigerator()
- ajaxGetReasons()
- addNewMakeModel()
- ajaxGetDataByCatalogueId()
- ajaxGetMake()
- ajaxGetModels()

### 5.4.2.2 *Model: ColdChain*

- addRefrigerator()
- updateCcmStatusHistory()

### 5.4.2.3 *Model: CcmStatusList*

- getAllReasons()

### 5.4.2.4 *Model: CcmModels*

- addNewMakeModel()
- getAllAssetsByType()
- getAssetDetailsById()
- getModelsByMakId()

### 5.4.2.5 *Model: CcmAssetTypes*

- getAssetSubTypes()

### 5.4.2.6 *Model: CcmMakes*

- getMakeByMakId()

### 5.4.2.7 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### 5.4.2.8 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

#### **5.4.2.9 *Model:Locations***

- `getLocationsByLevel()`
- `getLocationsByLevelByProvince()`

### **5.4.3 Search Vaccines Carriers**

#### **5.4.3.1 *Controller: ColdChain***

- searchVaccineCarrier()

#### **5.4.3.2 *Model: ColdChain***

- searchVaccineCarriers()

#### **5.4.3.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

#### **5.4.3.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

#### **5.4.3.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## 5.4.4 Add Vaccine Carrier

### 5.4.4.1 *Controller: ColdChain*

- addVaccineCarrier()
- ajaxGetDataByCatalogueId()
- ajaxGetMake()
- ajaxGetModels()

### 5.4.4.2 *Model: CcmModels*

- addVaccineCarrier()
- getVaccineCarriers()
- getModelsByMakeId()

### 5.4.4.3 *Model: ColdChain*

- addVaccineCarrier()

### 5.4.4.4 *Model: CcmMakes*

- getMakeByMakeId()

### 5.4.4.5 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### 5.4.4.6 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivisionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### 5.4.4.7 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## 5.4.5 Search Ice Pack

### 5.4.5.1 *Controller: ColdChain*

- searchIcePack()
- ajaxGetModels()

### 5.4.5.2 *Model: ColdChain*

- searchIcePacks()

### 5.4.5.3 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### 5.4.5.4 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### 5.4.5.5 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.6 Add Ice Packs**

### **5.4.6.1 *Controller: ColdChain***

- addIcePack()

### **5.4.6.2 *Model: CcmModels***

- addIcePack()
- getModelsByGenericMake()

### **5.4.6.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.6.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivisionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.6.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.7 Search Cold Room**

### **5.4.7.1 Controller: ColdChain**

- searchColdRoom()
- ajaxGetModels()

### **5.4.7.2 Model: CcmColdRooms**

- searchColdRooms()

### **5.4.7.3 Controller: Index**

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.7.4 Model: Warehouses**

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.7.5 Model: Locations**

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.8 Add Cold Room**

### **5.4.8.1 *Controller: ColdChain***

- addColdRoom()
- ajaxGetReasons()
- ajaxGetModels()

### **5.4.8.2 *Model: ColdChain***

- addColdRoom()

### **5.4.8.3 *Model: CcmStatusList***

- getAllReasons()

### **5.4.8.4 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.8.5 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.8.6 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## 5.4.9 Search Voltage Regulator

### 5.4.9.1 *Controller: ColdChain*

- searchVoltageRegulator()
- ajaxGetModels()

### 5.4.9.2 *Model: ColdChain*

- searchVoltageRegulator()

### 5.4.9.3 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### 5.4.9.4 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### 5.4.9.5 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.10 Add Voltage Regulator**

### **5.4.10.1 *Controller: ColdChain***

- addVoltageRegulator()
- ajaxGetDataByCatalogueId()
- ajaxGetMake()
- ajaxGetModels()

### **5.4.10.2 *Model: CcmModels***

- getVoltageRegulators()
- getModelsByMakeId()

### **5.4.10.3 *Model: ColdChain***

- addVoltageRegulator()

### **5.4.10.4 *Model: CcmMakes***

- getMakeByMakeId()

### **5.4.10.5 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.10.6 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivisionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.10.7 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.11 Search Generator**

### **5.4.11.1 Controller: ColdChain**

- searchGenerator()
- ajaxGetModels()

### **5.4.11.2 Model: CcmGenerators**

- searchGenerators()

### **5.4.11.3 Controller: Index**

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.11.4 Model: Warehouses**

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.11.5 Model: Locations**

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.12 Add Generator**

### **5.4.12.1 *Controller: ColdChain***

- addGenerator()
- ajaxGetReasons()
- ajaxGetModels()

### **5.4.12.2 *Model: CcmGenerators***

- addGenerator().

### **5.4.12.3 *Model: CcmStatusList***

- getAllReasons()

### **5.4.12.4 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.12.5 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.12.6 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.13 Search Transport**

### **5.4.13.1 Controller: ColdChain**

- searchTransport()
- ajaxGetModels()

### **5.4.13.2 Model: CcmVehicles**

- searchVehicles()

### **5.4.13.3 Controller: Index**

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.13.4 Model: Warehouses**

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.13.5 Model: Locations**

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.14 Add Transport**

### **5.4.14.1 Controller: ColdChain**

- addTransport()
- ajaxGetReasons()
- ajaxGetModels()

### **5.4.14.2 Model: CcmVehicles**

- addTransport()

### **5.4.14.3 Model: ColdChain**

- updateCcmStatusHistory()

### **5.4.14.4 Model: CcmStatusList**

- getAllReasons()

### **5.4.14.5 Controller: Index**

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### **5.4.14.6 Model: Warehouses**

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### **5.4.14.7 Model: Locations**

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## **5.4.15 Asset Status Update**

### **5.4.15.1 *Controller: ColdChain***

- statusWorkingUpdate()
- updateWorkingStatus()

### **5.4.15.2 *Model: ColdChain***

- getWarehouseNamesAssetStatus()
- updateCcmStatusHistory()

### **5.4.15.3 *Model: CcmStatusList***

- getStatusLists()
- getAllReasons()
- getAllUtilizations()

### **5.4.15.4 *Model: CcmStatusHistory***

- updateColdChainStatus()



## 5.5 Screens

### Search Refrigerator

Search Refrigerator/Freezer/ILR Asset

Asset Sub Type Freezer-ILRs-Refrigerators	Source of Supply EPI Program	Working Status Working well	Asset Id / Equipment Code
Catalogue ID	Make ACMA	Model Select	Serial Number
Gross Capacity From	Gross Capacity To	Working Since From	Working Since To
CFC Free Sticker <input type="radio"/> Not Applicable <input checked="" type="radio"/> Yes <input type="radio"/> No			
Placed At <input checked="" type="radio"/> Unallocated <input type="radio"/> Select Warehouse			
<input type="button" value="Search"/> <input type="button" value="Reset"/>			
Report Type <input checked="" type="radio"/> Detail View <input type="radio"/> Summary View			
District	Facility	Make	Model
		ACMA	ACMA
		Capacity For 20 : 49.88 For 4 : 129.086	Working Status Working well
		Date 2014-10-01 00:00:00	Action

### Add Refrigerator

New/Add Refrigerator/Freezer/ILR Asset

Asset Id / Equipment Code AE123	Source of Supply* EPI Program	
Utilization* In use	Working Status* Working well	
Placed At* <input checked="" type="radio"/> Unallocated <input type="radio"/> Select Warehouse		
Office* Federal	Store Federal EPI Store	
Catalogue ID* Domestic - SIBIR - 407-A	Make* SIBIR	Model* Select
<input type="button" value="Add"/>		
Asset Sub Type* Freezer-ILRs-Refrigerators	CFC Free Sticker <input type="radio"/> Not Applicable <input checked="" type="radio"/> Yes <input type="radio"/> No	Dimensions (Feet)
		Length
		Length
		Height
	Serial Number	Capacity (Liters)*
		154.6125
		4.68
		128.84375
		3.9
Temperature Monitor Dial Thermometer		Working Since (Year)
<input type="button" value="Save"/>		

### Search Vaccines Carriers

## Vaccine Carrier Search

Catalogue ID

Make                      Model

make                      model

Placed At  Unallocated  Select Warehouse

Office \*                      Warehouse

Federal                      Federal EPI Store

Vaccine Carrier Search					
<input checked="" type="radio"/> Detail View <input type="radio"/> Summary View					
District	Facility	Make	Model	Date	Action
National	Federal EPI Store	make	model	10/29/2014	

## Add Vaccines Carrier

Add Vaccine Carriers

Placed At \*

Unallocated  Select Warehouse

Office \*

Province  Province  Store

Catalogue ID

**Add**

Make \*

Apex International

Model \*

Select

Total Available For Vaccination Activities

Internal Dimensions

Length
Width
Height

**Save**

Vaccine Carriers		
10 <input type="button" value="▼"/> records per page		Search: <input type="text"/>
Catalogue ID	Total Available For Vaccination Activities	Internal Dimensions
E004004	4749	xx
E004005	900	xx
JVVC900	9293	xx

Add Vaccines Carrier – Add Make & Model

Suggest new make and model

Catalogue ID *	Make *	Model *	Asset Type *
ID123	Waves	M12	Vaccine Can ▾
Dimensions	Dimensions(Internal)	Dimensions(Storage)	Cost(US\$)
10	8	6	125
10	8	6	
10	8	6	
Vaccine Net Storage Capacity	Coldlife without openings(Hours at +43C)		
100	5		
<input type="button" value="Close"/> <input type="button" value="Save"/>			

## Search Ice Pack

Cold Chain

Ice Pack Search

Make	Model
Select Makes	Select Make First
Placed At	
<input type="radio"/> Unallocated	<input checked="" type="radio"/> Select Warehouse
Office *	Warehouse
Federal	Federal EPI Store
<input type="button" value="Search"/> <input type="button" value="Reset"/>	

Ice Pack Search

Report Type						
<input checked="" type="radio"/> Detail View <input type="radio"/> Summary View						
District	Facility	Make	Model	Quantity	Date	Action
National	Federal EPI Store	BIBIR	107A	10	10/29/2014	
Showing 1 to 1 of 1 entries						

## Add Ice Packs

## Add Ice Packs

Placed At  Unallocated  Select Warehouse

Office *	Store
Federal	Federal EPI Store
Ice Pack Sizes 107A	Quantity *
	10

**Add**

## Search Cold Room

Search Cold Room

Type <input type="radio"/> Cold Rooms	Working Status <input type="radio"/> Working well																																																									
Source of Supply <input type="radio"/> EPI Program	Number of cooling system																																																									
Asset ID/Equipment Code	Has voltage stabilizer <input type="radio"/> Yes <input type="radio"/> No																																																									
Make <input type="radio"/> Select	Model <input type="radio"/> Select Make First																																																									
Capacity from <input type="radio"/> Gross Capacity	Capacity to <input type="radio"/> Gross Capacity																																																									
Year of Supply from	Year of Supply to																																																									
Placed At <input checked="" type="radio"/> Unallocated <input type="radio"/> Select Warehouse																																																										
Office *	Province	Warehouse *																																																								
Province <input type="radio"/> Punjab	Punjab	Punjab EPI Store																																																								
<b>Search</b> <b>Reset</b>																																																										
Report Type <input type="radio"/> Detail View <input type="radio"/> Summary View <table border="1"> <thead> <tr> <th>District</th> <th>Facility</th> <th>Make</th> <th>Model</th> <th>Capacity</th> <th>Working Status</th> <th>Date</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>Punjab</td> <td>Punjab EPI Store</td> <td>POV90L</td> <td>Porkka</td> <td>91000</td> <td>Working well</td> <td>11/30/-0001</td> <td><input type="button" value="X   Edit"/></td> </tr> <tr> <td>Punjab</td> <td>Punjab EPI Store</td> <td>POV90L</td> <td>Porkka</td> <td>91000</td> <td>Working well</td> <td>11/30/-0001</td> <td><input type="button" value="X   Edit"/></td> </tr> <tr> <td>Punjab</td> <td>Punjab EPI Store</td> <td>Local</td> <td>Local</td> <td>0</td> <td>Working well</td> <td>11/30/-0001</td> <td><input type="button" value="X   Edit"/></td> </tr> <tr> <td>Punjab</td> <td>Punjab EPI Store</td> <td>Local</td> <td>Local</td> <td>0</td> <td>Working well</td> <td>11/30/-0001</td> <td><input type="button" value="X   Edit"/></td> </tr> <tr> <td>Punjab</td> <td>Punjab EPI Store</td> <td>Solo Plus</td> <td>FOSTER</td> <td>0</td> <td>Working well</td> <td>11/30/-0001</td> <td><input type="button" value="X   Edit"/></td> </tr> <tr> <td>Punjab</td> <td>Punjab EPI Store</td> <td>Solo Plus</td> <td>FOSTER</td> <td>0</td> <td>Working well</td> <td>11/30/-0001</td> <td><input type="button" value="X   Edit"/></td> </tr> </tbody> </table>			District	Facility	Make	Model	Capacity	Working Status	Date	Action	Punjab	Punjab EPI Store	POV90L	Porkka	91000	Working well	11/30/-0001	<input type="button" value="X   Edit"/>	Punjab	Punjab EPI Store	POV90L	Porkka	91000	Working well	11/30/-0001	<input type="button" value="X   Edit"/>	Punjab	Punjab EPI Store	Local	Local	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>	Punjab	Punjab EPI Store	Local	Local	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>	Punjab	Punjab EPI Store	Solo Plus	FOSTER	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>	Punjab	Punjab EPI Store	Solo Plus	FOSTER	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>
District	Facility	Make	Model	Capacity	Working Status	Date	Action																																																			
Punjab	Punjab EPI Store	POV90L	Porkka	91000	Working well	11/30/-0001	<input type="button" value="X   Edit"/>																																																			
Punjab	Punjab EPI Store	POV90L	Porkka	91000	Working well	11/30/-0001	<input type="button" value="X   Edit"/>																																																			
Punjab	Punjab EPI Store	Local	Local	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>																																																			
Punjab	Punjab EPI Store	Local	Local	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>																																																			
Punjab	Punjab EPI Store	Solo Plus	FOSTER	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>																																																			
Punjab	Punjab EPI Store	Solo Plus	FOSTER	0	Working well	11/30/-0001	<input type="button" value="X   Edit"/>																																																			

## Add Cold Room

### Add Cold Room

Asset Id / Equipment Code: C125      Source of Supply\*: EPI Program

Utilization\*: In use      Working Status\*: Working well

Placed At\*:  Unallocated  Select Warehouse

Office\*: Federal      Store: Federal EPI Store

Type\*: Cold Rooms      Internal Storage Dimensions(m):  
10  
10  
10

Make\*: Porkka      Internal gross volume (m³)\*: 100

Model\*: Select      Net storage volume for vaccine/packs (m³)\*: 80

Year of Supply: 02/10/2014      Number of phases:  One  Three

Has voltage stabilizer:  Yes  No

Temperature recording system: Not Provided      Type of recording system: Chart recorder (clockwork)

**Save**

## Search Voltage Regulator

### Cold Chain

### Search Voltage Regulator

Catalogue ID:

Make: Advance Galatrek      Model: FF500/4R

Placed At:  Unallocated  Select Warehouse

Office\*: Federal      Warehouse: Federal EPI Store

**Search** **Reset**

Report Type:  Detail View  Summary View

District	Facility	Make	Model	Working Status	Date
National	Federal EPI Store	Advance Galatrek	FF500/4R		2014-10-29 00:00:00

## Add Voltage Regulator

## Cold Chain

New/Add Voltage Regulator Asset

Placed At \*

Unallocated  Select Warehouse

Office \* Store

Federal Federal EPI Store

Catalogue ID Quantity \*

Domestic - Advance Galatrek - FF500/4R 10

Add

Make \* Model \*

Advance Galatrek FF500/4R

Add

## Add Voltage Regulator – Add Make and Model

Suggest new make and model ×

Catalogue ID \* Make \* Model \*

C123 Waves M67

Nominal Voltage (vAC) Continous Power(watts) Frequency(Hz)

12 12 15

Phases  one  three

Cost(US\$) Input Voltage Range (vAC) Output Voltage Range (vAC)

2500 56 60

Close Save

Search Generator

## Search Generator

Working Status	Serial Number						
Working well	SN234						
Source of Supply	Equipment ID/Asset Code						
EPI Program							
Make	Model						
FG Wilson	P100						
Year of Supply From	Year of Supply To						
Placed At <input type="radio"/> Unallocated <input checked="" type="radio"/> Select Warehouse							
Office *	Warehouse						
Federal	Federal EPI Store						
<input type="button" value="Search"/> <input type="button" value="Reset"/>							
Report Type <input type="radio"/> Detail View <input checked="" type="radio"/> Summary View							
District	Facility	Make	Model	Serial Number	Working Status	Working Since	Action
National	Federal EPI Store	FG Wilson	P100	SN234	Working well	2009-10-15 00:00:00	<input type="button" value="x"/> <input type="button" value="Edit"/>

## Add Generator

### Add Generator

Add Generator	
Asset Id / Equipment Code	Source of Supply*
CS345	EPI Program
Utilization *	Working Status *
In use	Working well
Placed At*	
<input type="radio"/> Unallocated <input checked="" type="radio"/> Select Warehouse	
Office *	Store
Federal	Federal EPI Store
Make *	Model *
FG Wilson	P100
Serial Number *	No. of Phases
SN234	<input type="radio"/> One <input checked="" type="radio"/> Three
Power Rating	Power Source
2	Diesel
Automatic Start Mechanism	Year of Supply
<input type="radio"/> Yes <input checked="" type="radio"/> No	15/10/2009
Use For	
Cold Rooms	<input type="button" value="Save"/>

## Search Transport

## Cold Chain

Search Transport Asset

Transport Type	Working Status	Source of Supply	Fuel Type				
Vehicles	Working well	EPI Program	Petrol				
Registration No.	Make	Model					
	Suzuki	SV1800P					
Manufacture Year From	Manufacture Year To						
Placed At <input type="radio"/> Unallocated <input checked="" type="radio"/> Select Warehouse							
Office *	Province	Warehouse *					
Province	Punjab	Punjab EPI Store					
<b>Search</b> <b>Reset</b>							
Report Type <input type="radio"/> Detail View <input checked="" type="radio"/> Summary View							
District	Facility	Make	Model	Fuel Type	Working Status	Date	-
Punjab	Punjab EPI Store	Suzuki	SV1800P	Petrol	Working well	2001-10-03 00:00:00	 

## Add Transport

### Cold Chain

New/Add Transport Asset

Asset Id / Equipment Code	Source of Supply*		
C123	EPI Program		
Utilization *	Working Status *		
In use	Working well		
Placed At*			
<input type="radio"/> Unallocated <input checked="" type="radio"/> Select Warehouse			
Office *	Store		
Federal	Federal EPI Store		
Transport Type	Registration No.	Make*	Model*
Vehicles	RG564	Shehzor	2012
Manufacture Year	% Used For EPI	Fuel Type	
30/10/2009		Petrol	
Comments			
<input type="button" value="Save"/>			

## Asset Transfer

### Transfer Asset

From Office *		Province	Store		
District	Punjab	District Lahore Store			
S. No.	Assets	Model	Asset ID	Quantity	Transfer Quantity/Asset
1	Cold Rooms	Foster Solo Plus	300002		10
2	Chest freezer, AC electricity	HBD-116	100046		
3	Chest freezer, AC electricity	MF 214	100122		
4	Icelined refrigerator	MKF 074	101950		
5	Icelined refrigerator	MKF 074	101955		
6	Icelined refrigerator	MKF 074	101972		
7	Icelined refrigerator	MKF 074	101975		
8	Icelined refrigerator	MKF 074	101979		
9	Icelined refrigerator	MKF 074	101984		
10	Icelined refrigerator	MKF 074	101985		
11	Icelined refrigerator	MKF 074	101987		
12	Vaccine Carriers-Cold Boxes	RCW12		2	1
13	Vaccine Carriers-Cold Boxes	RCW25		9	5

To Office \*      Warehouse \*

Federal      Federal EPI Store

**Transfer**

### Asset Status update

#### Update Working Status

Asset ID	Assets	Working Status	Reasons	Utilizations	Temperature Alarms
300058	Cold Rooms	Working well	Select Reason	In use	
300059	Cold Rooms	Working well	Select Reason	In use	
300060	Cold Rooms	Working well	Select Reason	In use	
300061	Cold Rooms	Working well	Select Reason	In use	
300062	Cold Rooms	Working well	Select Reason	In use	
300063	Cold Rooms	Working well	Select Reason	In use	
300064	Cold Rooms	Working well	Select Reason	In use	
300065	Cold Rooms	Working well	Select Reason	In use	
300066	Cold Rooms	Working well	Select Reason	In use	
600227	Generators	Working well	Select Reason	In use	
600239	Generators	Working well	Select Reason	In use	
600250	Generators	Working well	Select Reason	In use	
600251	Generators	Working well	Select Reason	In use	
600252	Generators	Working well	Select Reason	In use	

Assets	Model	Total	Working Quantity	Comments
Stabilizers	SVS 04-22	0	0	
Vaccine Carriers-Cold Boxes	Rotary International	9293	9293	

**Update**

## 5.6 Models & Controllers

CCEM Admin Module

### 5.6.1 Manage Health Facility

#### 5.6.1.1 *Controller: ManageHealthFacility*

- index()
- add()

#### 5.6.1.2 *Model: CcmWarehouses*

- getAllHealthFacility()

#### 5.6.1.3 *Model: ListDetail*

- getListDetailByMasterId()

#### 5.6.1.4 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

#### 5.6.1.5 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

#### 5.6.1.6 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## Add Health Facility

### 5.6.1.7 *Controller: ManageHealthFacility*

- add()

### 5.6.1.8 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### 5.6.1.9 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### 5.6.1.10 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince()

Update Health Facility

**Controller: ManageHealthFacility**

- ajaxEdit()
- update()
- ajaxGetHealthFacilityType()
- ajaxGetServicesType()

**Model:Warehouses**

- getHealthFacilityTypes()
- getServicesTypes()

**Controller: Index**

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

**Model:Warehouses**

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivisionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

**Model:Locations**

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## 5.6.2 Manage Users

### 5.6.2.1 *Controller: ManageUsers*

- index()
- delete()

### 5.6.2.2 *Model: Users*

- getUsers()

Add User

5.6.2.3 ***Controller: ManageUsers***

- add()
- checkUser()

5.6.2.4 ***Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

5.6.2.5 ***Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

5.6.2.6 ***Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince()

## Update User

### 5.6.2.7 *Controller: ManageUsers*

- ajaxEdit()
- update()

### 5.6.2.8 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()
- allLevelCombosThree()

### 5.6.2.9 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()
- getProvincialWarehouses()
- getDivsionalWarehousesofProvince()
- getDistrictWarehousesofProvince()
- getTehsilWarehousesofDistrict()
- getUCWarehousesofDistrict()

### 5.6.2.10 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince()

### **5.6.3 Manage Lists**

#### **5.6.3.1 *Controller: ManageLists***

- index()
- delete()

#### **5.6.3.2 *Model: ListDetail***

- getListDetail()

Add List Value

#### 5.6.3.3 *Controller: ManageLists*

- add()
- delete()

Update List Value

#### 5.6.3.4 *Controller: ManageLists*

- ajaxEdit()
- update()

## 5.6.4 Manage Asset Sub Types

### 5.6.4.1 *Controller: ManageAssetSubTypes*

- index()
- ajaxChangeStatus()

### 5.6.4.2 *Model: CcmAssetTypes*

- getAllAssetSubTypes()

Add Asset Sub Type

5.6.4.3 *Controller: ManageAssetSubTypes*

- add()

## Update Asset Sub Type

### 5.6.4.4 *Controller: ManageAssetSubTypes*

- ajaxEdit()
- update()

## 5.6.5 Manage CCM Status Lists

### 5.6.5.1 *Controller: ManageCcmStatusLists*

- index()
- ajaxChangeStatus()

### 5.6.5.2 *Model: CcmStatusList*

- getAllStatusLists()

Add CCM Status List

5.6.5.3 ***Controller: ManageCcmStatusLists***

- add()

Update CCM Status List

5.6.5.4 ***Controller: ManageCcmStatusLists***

- ajaxEdit()
- update()

## 5.6.6 Manage Makes

### 5.6.6.1 *Controller: ManageMakes*

- index()
- delete()

### 5.6.6.2 *Model: CcmMakes*

- getAllMakes()

Add Make

#### 5.6.6.3 *Controller: ManageMakes*

- add()

Update Make

#### 5.6.6.4 *Controller: ManageMakes*

- ajaxEdit()
- update()

## 5.6.7 Manage Models

### 5.6.7.1 *Controller: ManageModels*

- index()
- ajaxGetAllMakesByAssetTypeAction()
- ajaxChangeStatus()

### 5.6.7.2 *Model: CcmModels*

- getModelsBySearch()

### 5.6.7.3 *Model: CcmMakes*

- getAllMakesByAssetType()

Add Model

5.6.7.4 ***Controller: ManageModels***

- ajaxGetAssetSubtypesByAssetType()
- add()

5.6.7.5 ***Model: CcmAssetTypes***

- getAssetSubTypes()

## Update Model

### 5.6.7.6 *Controller: ManageModels*

- ajaxEdit()
- update()

## 5.7 Screens

### Add Health Facility

Add Health Facility

Office *	Province *	District *	Warehouse *
Union Co.	Punjab	Bahawalpur	B.V.Hosp
Type of Health Facility *	Teaching hospital		
Types of Services Provided *	<input checked="" type="checkbox"/> Outreach Immunization Services <input checked="" type="checkbox"/> Static Immunization Services		
Routine Immunization Ice Pack Requirements *	500		
SNID/NID Ice Pack Requirements *	500		
Vaccine Supply Mode *	Delivered		
EPI Vaccination Staff *	<input type="checkbox"/> Vaccinator/EPI Tech <input type="checkbox"/> Disp/Health Tech <input type="checkbox"/> Store Keeper <input type="checkbox"/> ASV <input type="checkbox"/> LHV <input type="checkbox"/> LHS <input type="checkbox"/> LHW <input type="checkbox"/> DSV <input type="checkbox"/> Cold chain Maintenance staff		
Grid Electricity Availability *	Select		
Solar Energy *	<input type="checkbox"/> Facility grounds shaded from sun more than 1hr/day <input type="checkbox"/> Heavy clouds for longer than 2 weeks at a time		
<b>Save</b>			

### Update Health Facility

## Manage Health Facility

**Health Facility Search**

Office *	Province *	District *
Union Council	Punjab	Bahawalpur
<input type="button" value="Search"/> <input type="button" value="Reset"/>		

**Health Facility List**

Routine Immunization	SNID / NID	EPI Vaccination Staff	Grid Electricity Availability	Action
500	500	Disp/Health Tech	Less than 8 hours per day	<input type="button" value="Edit"/>

Showing 1 to 1 of 1 entries

**Edit Health Facility**

Selected Warehouse	B.V.Hospital
Office *	Select
Type of Health Facility *	Teaching Hospital
Types of Services Provided *	<input checked="" type="checkbox"/> Outreach Immunization Services <input checked="" type="checkbox"/> Static Immunization Services
Routing Immunization Ice Pack Requirements *	500
SNID/NID Ice Pack Requirements *	500
Vaccine Supply Mode *	Delivered
EPI Vaccination Staff *	<input type="checkbox"/> Vaccinator/EPI Tech <input checked="" type="checkbox"/> Disp/Health Tech <input type="checkbox"/> Store Keeper <input type="checkbox"/> ASV <input type="checkbox"/> LHV <input type="checkbox"/> LHS <input type="checkbox"/> LHW <input type="checkbox"/> DSV <input type="checkbox"/> Cold chain Maintenance staff
Grid Electricity Availability *	Less than 8 hours per day
Solar Energy *	<input checked="" type="checkbox"/> Facility grounds shaded from sun more than 1hr/day <input type="checkbox"/> Heavy clouds for longer than 2 weeks at a time
<input type="button" value="Update"/>	

## Add User

### Add User

**Username \***  Please enter Username

**User Role \***

**Email \***

**Phone \***

**Password \***

**Confirm Password \***

**Office \***  **Store**

**Save**

## Update User

Edit User

Username	Email
ccem_bhawalpur	test@test.com
User Role *	Phone *
ccemoperator-district	123456
Old Password	New Password
Designation	Department
Address	Photo
	Select file
Selected Warehouse	
District Bhawalpur Store	
Update Office *	
Select	
<b>Update</b>	

## Search User

### Manage Users

Users Search							
Username	User Role						
ccem_kpk	ccemoperator-provincial	<b>Search</b>	<b>Reset</b>				
Users List							
Showing 1 to 1 of 1 entries							
Username	User Role	Created By	Last Login	Action			
ccem_kpk	ccemoperator-provincial	superadmin	2014-09-07 10:16:32	<b>Edit</b>	<b>Delete</b>		

## Add List Value

Add List Value X

Select List*	List Value*
Type of Fuel	56
Description	<input type="text"/>
<span style="background-color: green; color: white; padding: 5px 10px;">Save</span>	

## Update List Value

Edit List Value X

Select List	
Pallet	
List Value*	
01	
Description	<input type="text"/>
<span style="background-color: green; color: white; padding: 5px 10px;">Update</span>	

## Search List

Manage Lists

List Search

Select List List Value

Pallet

Search Reset

Manage List

10 records per page Add List Value

List Value	List	Created By	Created Date	Action
01	Pallet	Administrator	2014-05-27 09:40:49	Edit Delete
02	Pallet	Administrator	2014-05-27 09:40:52	Edit Delete
03	Pallet	Administrator	2014-05-27 09:40:55	Edit Delete
04	Pallet	Administrator	2014-05-27 09:40:58	Edit Delete

Showing 1 to 4 of 4 entries

## Add Asset Sub Type

### Add Asset Sub Type

Asset Type \*

Select

Please select asset type

Asset Sub Type \*

Save

## Update Asset Sub Type

### Edit Asset Sub Type

Asset Type \*

Select

Please select asset type

Asset Sub Type \*

+4'C cold room

Update

## Search – Asset Sub Type

Manage Asset Sub Types

Asset Sub Type Search

Asset Sub Type	Asset Type	Created By	Action
Bicycle	Vehicles	Administrator	<button>Edit</button> <button>Deactive</button>

Asset Sub Type List

Asset Sub Type	Asset Type	Created By	Action
Bicycle	Vehicles	Administrator	<button>Edit</button> <button>Deactive</button>

Showing 1 to 1 of 1 entries

## Add CCM Status List

Add CCM Status List

CCM Status List Type \*

Working well

CCM Status List Name \*

Working Status

Status  Active  In Active

Save

## Update CCM Status List

Edit CCM Status List

CCM Status List Type \*

1

CCM Status List Name \*

Working well

Update

## Search – CCEM Status List

Manage CCM Status Lists

CCM Status List Search

Status List Name:  Status:  All  Active  Inactive

Search Reset

CCM Status List

CCM Status List			
▼ records per page			
Status List Name	Status List Type	Created By	Action
Working well	Working Status	Administrator	<button style="border: 1px solid #ccc; padding: 2px;">Edit</button> <button style="background-color: #e63333; color: white; border: 1px solid #ccc; padding: 2px;">Active</button>

Showing 1 to 1 of 1 entries

## Add Make

### Add Make

Make Name \*

Status

Active  In Active

**Save**

## Update Make

### Edit Make

Make Name \*

**Update**

## Search Make

Manage Makes

Make Search

Make Name:  Status:  All  Active  Inactive

Search Reset

Make List

Make List		
▼ records per page		
Make Name	Created By	Action
ACMA		<button style="border: 1px solid #ccc; padding: 2px;">Edit</button> <button style="background-color: #e63333; color: white; border: 1px solid #ccc; padding: 2px;">Delete</button>

Showing 1 to 1 of 1 entries

## Add Model

### Add Model

X

Asset Type\*

Select ▼

Please select asset type

Asset Sub Type

Chest freezer, electricity & gas ▼

Make\*

ACMA ▼

Model\*

M123

Catalogue ID

C45

CFC Free Sticker

Not Applicable  Yes  No

Capacity

10
10
10
10

Dimensions

5
5
5

Save

## Update Model

### Edit Model

X

Asset Type\*

Select ▼

Asset Sub Type

Vaccine Carriers-Cold Boxes ▼

Make\*

Waves ▼

Model\*

M12

Catalogue ID

ID123

CFC Free Sticker  Not Applicable  Yes

No

Capacity

Gross Cap 20
100
Net Cap 20
100

Dimensions

10
10
10

Update

## Search – Model

### Manage Models

Models Search

Model Name	Catalogue ID	Status
<input type="text"/>	<input type="text"/>	All
Asset Type	Make	
Select	Select Asset Type First	<button>Search</button> <button>Reset</button>

Makes List

10 records per page						Add Model
Model	Make	Asset Type	Catalogue ID	Created By	Action	
M12	Waves	Vaccine Carriers-Cold Boxes	ID123	userpunjab	<button>Edit</button> <button>Active</button>	

Showing 1 to 1 of 1 entries

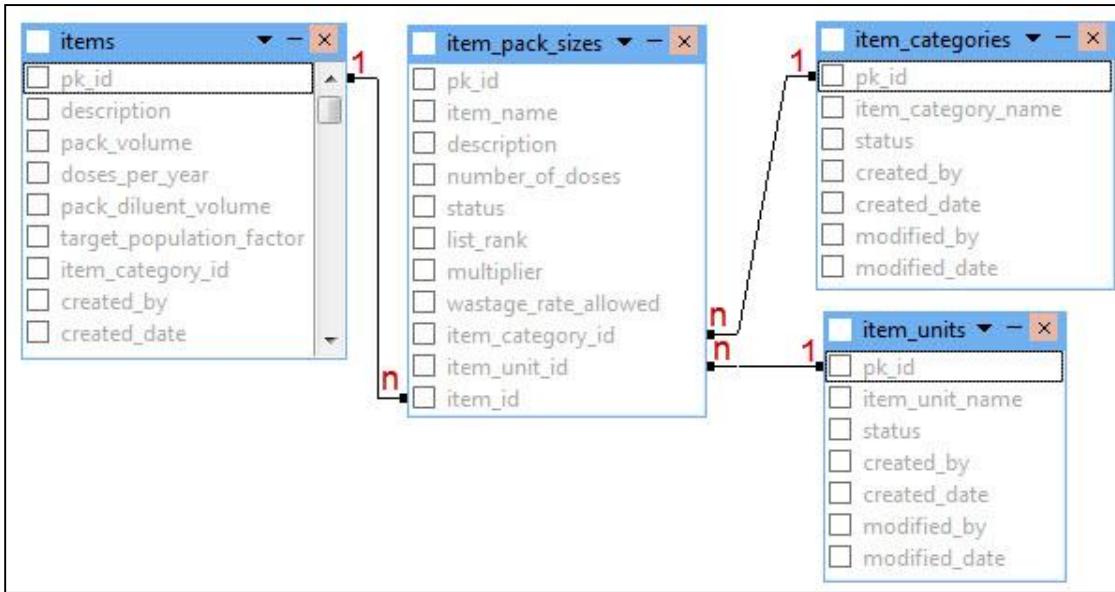
## **6. ITEMS MANAGEMENT**

### **6.1 Table Definition**

<b>Sr No.</b>	<b>Table Name</b>	<b>Definition</b>
1.	<b>items</b>	<b>Definition of items.</b>
2.	<b>item_pack_sizes</b>	<b>Definition of item pack sizes.</b>
3.	<b>item_categories</b>	<b>Maintain the item categories.</b>
4.	<b>item_units</b>	<b>Definition of item units.</b>

## 6.2 Relationship Diagrams

### 6.2.1 Items



## 6.3 Tables

### 6.3.1 Table Name: items

This table is used to store the items data.

#### 6.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
description	Specify the description of items.	Text	0	Yes
pack_volume	Specify the pack volume of the particular item.	Float	0	Yes
doses_per_year		Int	11	Yes
pack_diluent_volume	Specify the pack volume of the diluent.	Float	0	Yes
target_population_factor		Int	11	Yes
item_category_id	Specify the item category ID.	Int	11	Yes
population_percent_increase_per_year		Float	0	Yes
child_surviving_percent_per_year		Float	0	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 6.3.1.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
items_item_categories_fk1	item_category_id	r2	item_categories	pk_id	RESTRICT
items_users_fk2	created_by	r2	users	pk_id	RESTRICT
items_users_fk3	modified_by	r2	users	pk_id	RESTRICT

### 6.3.1.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
items_item_category_id_item_categories_pk_id	item_category_id	Normal	BTREE
items_created_by_users_pk_id	created_by	Normal	BTREE
items_modified_by_users_pk_id	modified_by	Normal	BTREE

### 6.3.2 Table Name: item\_pack\_sizes

This table is used to manage the item pack sizes.

#### 6.3.2.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
item_name	Specify the item name.	Varchar	100	Yes
description	Specify the description of the item pack sizes.	Text	0	Yes
number_of_doses	Specify the number of doses per pack.	Int	11	Yes
status	Specify the status.	Tinyint	1	Yes
list_rank	Specify the list rank.	Int	11	Yes
multiplier	Specify Person population covered by the product(Vaccine).	Int	11	Yes
wastage_rate_allowed		Float	0	Yes
item_category_id	Specify the item category ID.	Int	11	Yes
item_unit_id	Specify the item unit ID.	Int	11	Yes
item_id	Specify the item ID.	Int	11	Yes

### 6.3.2.2 Relationships:

Table Names	Fields	Reference d	Referenced Table	Reference d Fields	On Delete/O n Update
Database					
item_pack_sizes_item_categories_fk1	item_category_id	r2	item_categories	pk_id	RESTRICT
item_pack_sizes_item_units_fk2	item_unit_id	r2	item_units	pk_id	RESTRICT
item_pack_sizes_items_fk3	item_id	r2	items	pk_id	RESTRICT

### 6.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
item_pack_sizes_item_category_id_item_categories_pk_id	item_category_id	Normal	BTREE
item_pack_sizes_item_unit_id_item_units_pk_id	item_unit_id	Normal	BTREE
item_pack_sizes_item_id_items_pk_id	item_id	Normal	BTREE

### **6.3.3 Table Name: Item\_categories**

This table is used to manage the item categories.

#### **6.3.3.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
item_category_name	Specify the item category name.	Varchar	100	Yes
status	Specify the status.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 6.3.3.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
item_categories_users_fk1	created_by	r2	users	pk_id	RESTRICT
item_categories_users_fk2	modified_by	r2	users	pk_id	RESTRICT

### 6.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
item_categories_created_by_users_pk_id	created_by	Normal	BTREE
item_categories_modified_by_users_pk_id	modified_by	Normal	BTREE

### **6.3.4 Table Name: Item\_units**

This table is used to store the units related to the items.

#### **6.3.4.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
item_unit_name	Specify the item unit name.	Varchar	100	Yes
status	Specify the status.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 6.3.4.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
item_units_users_fk1	created_by	r2	users	pk_id	RESTRICT
item_units_users_fk2	modified_by	r2	users	pk_id	RESTRICT

#### 6.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
item_units_created_by_users_pk_id	created_by	Normal	BTREE
item_units_modified_by_users_pk_id	modified_by	Normal	BTREE

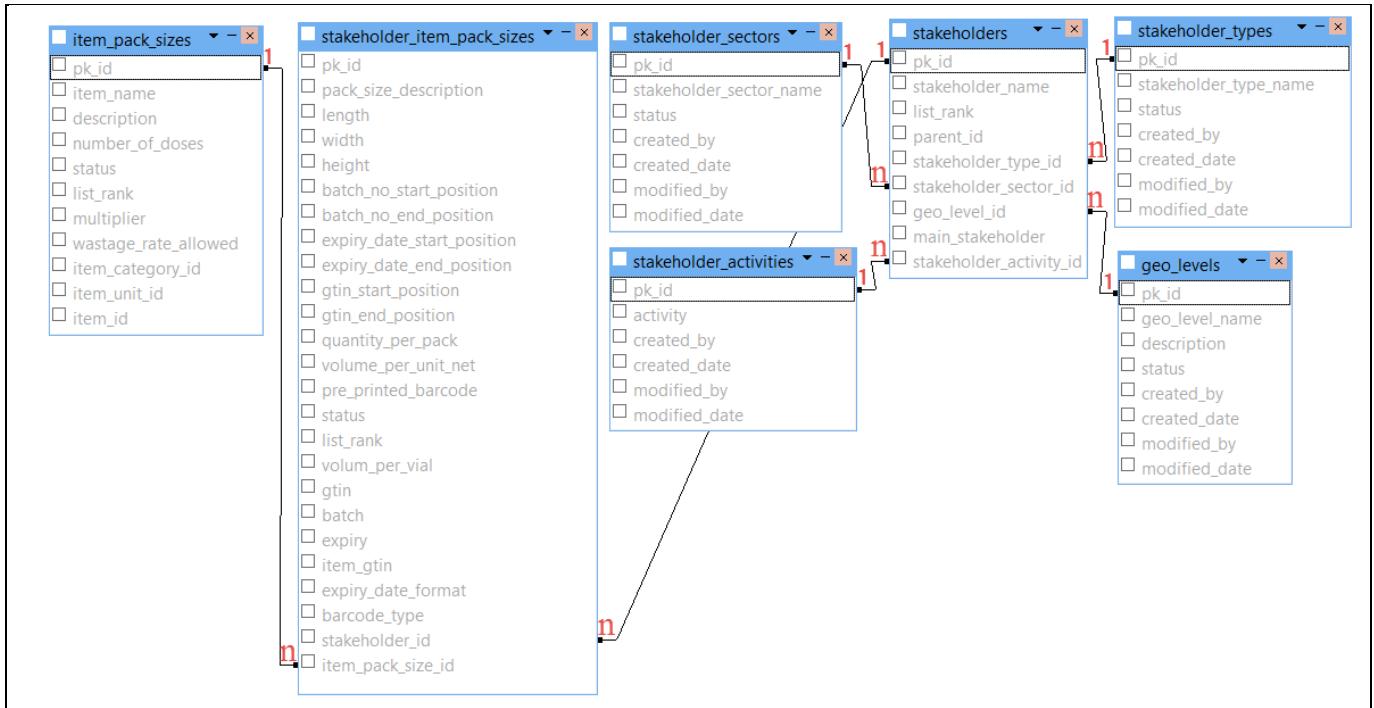
## **7. STAKEHOLDERS MANAGEMENT**

### **7.1 Table Definition**

<b>Sr No.</b>	<b>Table Name</b>	<b>Definition</b>
1.	<b>stakeholders</b>	<b>Definition of stakeholders.</b>
2.	<b>stakeholder_item_pack_sizes</b>	<b>Definition of stakeholder item pack sizes.</b>
3.	<b>stakeholder_sectors</b>	<b>Definition of the stakeholder sectors.</b>
4.	<b>stakeholder_types</b>	<b>Maintain the stakeholder types.</b>
5.	<b>stakeholder_activites</b>	<b>Maintain the stakeholder activities.</b>

## 7.2 Relationship Diagrams

### 7.2.1 Stakeholders



## 7.3 Tables

### 7.3.1 Table Name: stakeholders

This table is used to manage the stakeholder's data.

#### 7.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
stakeholder_name	Specify the stakeholder name.	Varchar	100	Yes
list_rank	Specify the list rank.	Int	11	Yes
parent_id	Specify the parent ID.	Int	11	No
stakeholder_type_id	Specify the stakeholder type ID.	Int	11	No
stakeholder_sector_id	Specify the stakeholder sector ID.	Int	11	No
geo_level_id	Specify the geo level ID.	Int	11	No
main_stakeholder	Specify the main stakeholder.	Int	11	Yes
stakeholder_activity_id	Specify the stakeholder activity ID.	Int	11	Yes

### 7.3.1.2 Relationships:

Table Names	Fields	Referenced	Referenced Table	Referenced Fields	On Delete/On Update
Database					
stakeholders_stakeholders_fk1	parent_id	r2	stakeholders	pk_id	RESTRICT
stakeholders_stakeholder_types_fk2	stakeholder_type_id	r2	stakeholder_types	pk_id	RESTRICT
stakeholders_stakeholder_sectors_fk3	stakeholder_sector_id	r2	stakeholder_sectors	pk_id	RESTRICT
stakeholders_geo_levels_fk4	geo_level_id	r2	geo_levels	pk_id	RESTRICT
stakeholders_stakeholders_fk5	main_stakeholder	r2	stakeholders	pk_id	RESTRICT
stakeholders_stakeholder_activities_fk6	stakeholder_activity_id	r2	stakeholder_activities	pk_id	RESTRICT

### 7.3.1.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stakeholders_parent_id_stakeholders_pk_id	parent_id	Normal	BTREE
stakeholders_stakeholder_type_id_stakeholder_types_pk_id	stakeholder_type_id	Normal	BTREE
stakeholders_stakeholder_sector_id_stakeholder_sectors_pk_id	stakeholder_sector_id	Normal	BTREE
stakeholders_geo_level_id_geo_levels_pk_id	geo_level_id	Normal	BTREE
stakeholders_stakeholders_pk_id	main_stakeholder	Normal	BTREE
stakeholders_stakeholder_activities_pk_id	stakeholder_activity_id	Normal	BTREE

### 7.3.2 Table Name: stakeholder\_item\_pack\_sizes

This table is used to store the stakeholder item pack sizes.

#### 7.3.2.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
pack_size_description	Specify the pack size description.	Int	11	Yes
length	Specify the length of the pack.	Int	11	Yes
width	Specify the width of the pack.	Int	11	Yes
height	Specify the height of the pack.	Int	11	Yes
batch_no_start_position	Specify the starting of the batch number.	Int	11	Yes
batch_no_end_position	Specify the ending of the batch number.	Int	11	Yes
expiry_date_start_position	Specify the start position of expiry date.	Int	11	Yes
expiry_date_end_position	Specify the end position of expiry date.	Int	11	Yes
gtin_start_position		Int	11	Yes
gtin_end_position		Int	11	Yes
quantity_per_pack	Specify the quantity per pack.	Int	11	Yes
volume_per_unit_net	Specify the net volume per unit.	Decimal	10	Yes
pre_printed_barcode	Specify if it has pre-printed barcode.	Tinyint	1	Yes
status	Specify the status.	Tinyint	1	Yes
list_rank	Sepcify the list rank.	Int	11	Yes
volume_per_vial	Specify the volume per vial.	Decimal	10	Yes
gtin		Tinyint	1	Yes
batch		Tinyint	1	Yes

expiry		Tinyint	1	Yes
item_gtin		Varchar	20	Yes
expiry_date_format	Specify the list detail ID for “Date Format”, which has ID equal to 12 in list master table and it has corresponding values from ID equal to 45 to 47 in list detail table.	Int	11	Yes
barcode_type	Specify the list detail ID for “Barcode Type”, which has ID equal to 13 in list master table and it has corresponding values from ID equal to 54 to 56 in list detail table.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes
item_pack_size_id	Specify the item pack size ID.	Int	11	Yes

### 7.3.2.2 Relationships:

Table Names	Fields	Referenced Database	Reference Table	Referenced Fields	On Delete/ On Update
stakeholder_item_pack_sizes_list_detail_fk1	expiry_date_format	r2	list_detail	pk_id	RESTRICT
stakeholder_item_pack_sizes_list_detail_fk2	barcode_type	r2	list_detail	pk_id	RESTRICT
stakeholder_item_pack_sizes_stakeholders_fk3	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
stakeholder_item_pack_sizes_item_pack_sizes_fk4	item_pack_size_id	r2	item_pack_sizes	pk_id	RESTRICT

### 7.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stakeholder_item_pack_sizes_expiry_date_format_list_detail_pk_id	expiry_date_format	Normal	BTREE
stakeholder_item_pack_sizes_barcode_type_list_detail_pk_id	barcode_type	Normal	BTREE
stakeholder_item_pack_sizes_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
stakeholder_item_pack_sizes_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE

### **7.3.3 Table Name: stakeholder\_sectors**

This table is used to manage the stakeholder sectors.

#### **7.3.3.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
stakeholder_sector_name	Specify the stakeholder sector name.	Varchar	100	Yes
status	Specify the status.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 7.3.3.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
stakeholder_sectors_users_fk1	created_by	r2	users	pk_id	RESTRICT
stakeholder_sectors_users_fk2	modified_by	r2	users	pk_id	RESTRICT

### 7.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stakeholder_sectors_created_by_users_pk_id	created_by	Normal	BTREE
stakeholder_sectors_created_by_users_pk_id	modified_by	Normal	BTREE

### **7.3.4 Table Name: stakeholder\_types**

This table is used to manage the stakeholder types.

#### **7.3.4.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
stakeholder_type_name	Specify the stakeholder type name.	Varchar	100	Yes
status	Specify the status.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 7.3.4.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
stakeholder_types_users_fk1	created_by	r2	users	pk_id	RESTRICT
stakeholder_types_users_fk2	modified_by	r2	users	pk_id	RESTRICT

#### 7.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stakeholder_types_created_by_users_pk_id	created_by	Normal	BTREE
stakeholder_types_modified_by_users_pk_id	modified_by	Normal	BTREE

### **7.3.5 Table Name: stakeholder\_activities**

This table is used to manage the stakeholder activities.

#### **7.3.5.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
activity	Specify the stakeholder type name.	Varchar	255	Yes
created_by	Specify the user ID.	Int	11	Yes
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	Yes
modified_date	Specify the modified date.	Timestamp	0	Yes

### 7.3.5.2 Relationships:

Table Names	Fields	Referenced	Referenced	Referenced	On
		Database	Table	Fields	Delete/On Update
stakeholder_activities_users_fk1	created_by	r2	users	pk_id	RESTRICT
stakeholder_activities_users_fk2	modified_by	r2	users	pk_id	RESTRICT

### 7.3.5.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
stakeholder_activities_created_by_users_pk_id	created_by	Normal	BTREE
stakeholder_activities_modified_by_users_pk_id	modified_by	Normal	BTREE

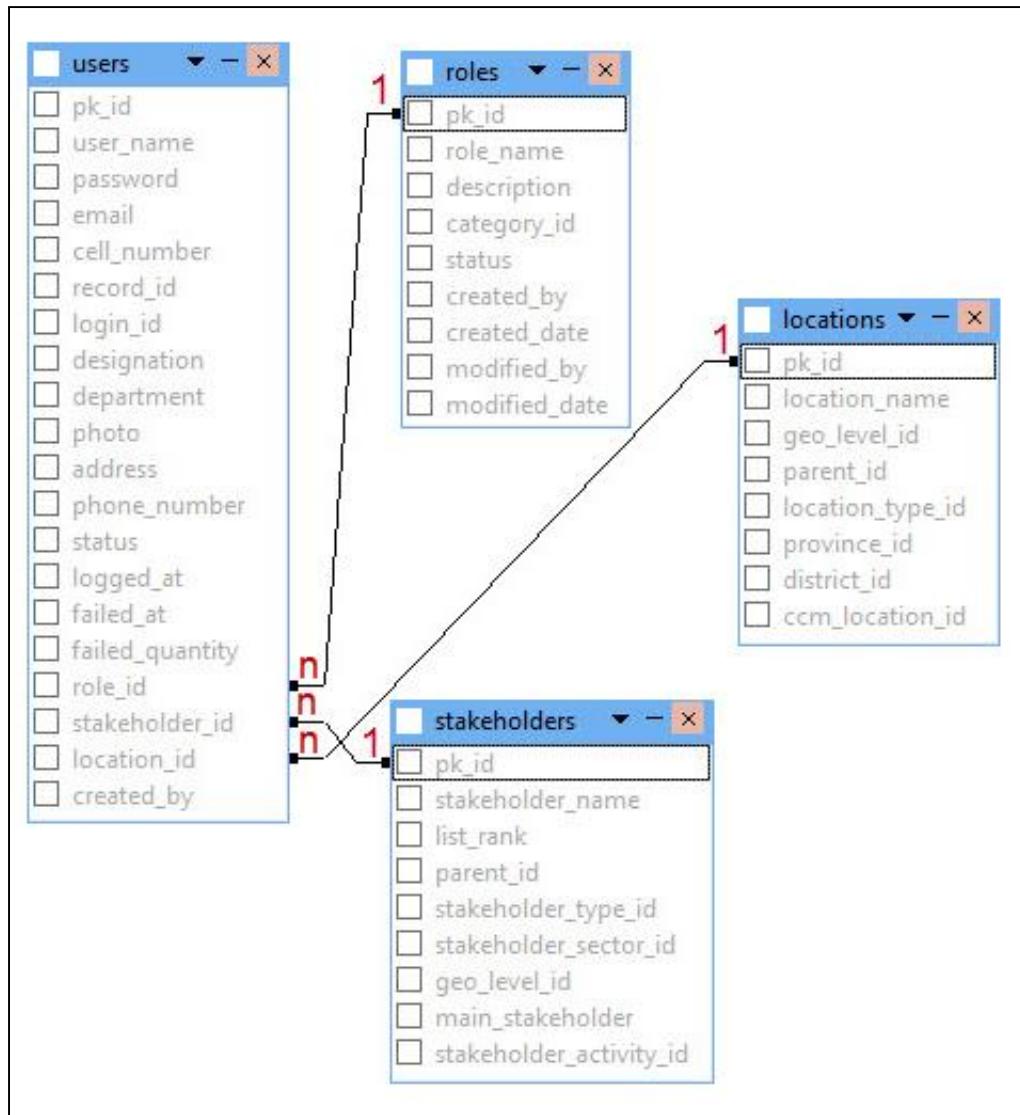
## **8. USERS MANAGEMENT**

### **8.1 Table Definition**

<b>Sr No.</b>	<b>Table Name</b>	<b>Definition</b>
1.	users	<b>Definition of all the users.</b>

## 8.2 Relationship Diagrams

### 8.2.1 Users



## 8.3 Tables

### 8.3.1 Table Name: users

This table is used to store users of the system.

#### 8.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
user_name	Specify the user name.	Varchar	100	No
password	Specify the password of the user.	Char	50	No
email	Specify the email of the user.	Varchar	50	No
cell_number	Specify the cell number.	Varchar	25	No
record_id	Specify the record ID.	Varchar	25	Yes
login_id	Specify the login ID.	Varchar	150	Yes
designation	Specify the designation of the user.	Varchar	150	Yes
department	Specify the department of the user.	Varchar	150	Yes
photo	Specify the photo of the user.	Varchar	100	Yes
address	Specify the address of the user.	Varchar	100	Yes
phone_number	Specify the phone number.	Varchar	25	Yes
status	Specify the status.	Tinyint	1	Yes
logged_at	Specify the login time.	Datetime	0	Yes
failed_at	Specify the login failed time.	Datetime	0	Yes
failed_quantity	Specify the quantity of failed login.	Int	11	Yes
role_id	Specify the role ID.	Int	11	No

stakeholder_id	Specify the stakeholder ID.	Int	11	No
location_id	Specify the location ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No

### 8.3.1.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
users_roles_fk1	role_id	r2	roles	pk_id	RESTRICT
users_stakeholders_fk2	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
users_locations_fk3	location_id	r2	locations	pk_id	RESTRICT
users_users_fk4	created_by	r2	users	pk_id	RESTRICT

### 8.3.1.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
users_role_id_roles_pk_id	role_id	Normal	BTREE
users_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
users_location_id_locations_pk_id	location_id	Normal	BTREE
users_created_by_users_pk_id	created_by	Normal	BTREE

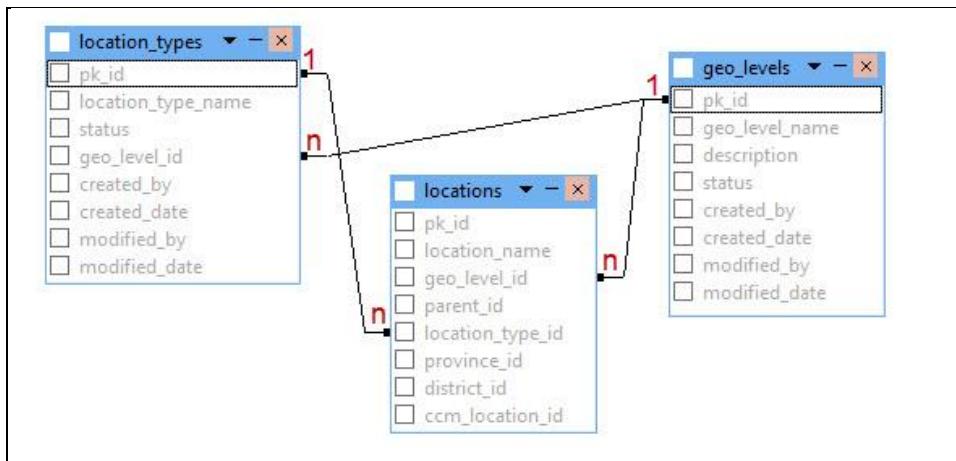
# 9. LOCATION MANAGEMENT

## 9.1 Table Definition

Sr No.	Table Name	Definition
1.	locations	Maintain the list of locations.
2.	location_types	Definition of location types.
3.	geo_level	Definition of geo levels.
4.	location_populations	Maintain the population of the location.

## 9.2 Relationship Diagrams

### 9.2.1 Locations



## 9.3 Tables

### 9.3.1 Table Name: locations

This table is used to store the list of locations.

#### 9.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
location_name	Specify the location name.	Varchar	100	Yes
geo_level_id	Specify the geo level ID.	Int	11	Yes
parent_id	Specify the parent ID.	Int	11	Yes
location_type_id	Specify the location type ID.	Int	11	Yes
province_id	Specify the province ID.	Int	11	Yes
district_id	Specify the district ID.	Int	11	Yes
ccm_location_id	Specify the CCM location ID.	Int	11	Yes

### 9.3.1.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
locations_geo_levels_fk1	geo_level_id	r2	geo_levels	pk_id	RESTRICT
locations_location_types_fk2	location_type_id	r2	location_types	pk_id	RESTRICT
locations_locations_fk3	province_id	r2	locations	pk_id	RESTRICT
locations_locations_fk4	district_id	r2	locations	pk_id	RESTRICT

### 9.3.1.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
locations_geo_level_id_geo_levels_pk_id	geo_level_id	Normal	BTREE
locations_location_type_id_location_types_pk_id	location_type_id	Normal	BTREE
locations_province_id_locations_pk_id	province_id	Normal	BTREE
locations_district_id_locations_pk_id	district_id	Normal	BTREE

### **9.3.2 Table Name: locations\_types**

This table is used to store the location types.

#### **9.3.2.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
location_type_name	Specify the location type name.	Varchar	100	Yes
status	Specify the status.	Tinyint	1	Yes
geo_level_id	Specify the geo level ID.	Int	11	No
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created Date.	Timestamp	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified Date.	Datetime	0	Yes

### 9.3.2.2 Relationships:

<b>Table Names</b>	<b>Fields</b>	<b>Reference d Database</b>	<b>Reference d Table</b>	<b>Reference d Fields</b>	<b>On Delete/O n Update</b>
location_types_geo_level_id_geo_levels_pk_id	geo_level_id	r2	geo_levels	pk_id	RESTRICT
location_types_created_by_users_pk_id	created_by	r2	users	pk_id	RESTRICT
location_types_modified_by_users_pk_id	modified_by	r2	users	pk_id	RESTRICT

### 9.3.2.3 Related Indexes:

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
location_types_geo_levels_fk1	geo_level_id	Normal	BTREE
location_types_users_fk2	created_by	Normal	BTREE
location_types_users_fk3	modified_by	Normal	BTREE

### **9.3.3 Table Name: geo\_level**

This table is used to manage the geo levels.

#### **9.3.3.1 Table Properties**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
geo_level_name	Specify the geo level name.	Varchar	100	Yes
description	Specify the description of geo level	Text	0	Yes
status	Specify the status.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 9.3.3.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
geo_levels_users_fk1	created_by	r2	users	pk_id	RESTRICT
geo_levels_users_fk2	modified_by	r2	users	pk_id	RESTRICT

### 9.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
geo_levels_created_by_users_pk_id	created_by	Normal	BTREE
geo_levels_modified_by_users_pk_id	modified_by	Normal	BTREE

### **9.3.4 Table Name: location\_populations**

This table is used to store the location of populations.

#### **9.3.4.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
population	Specify the population of the locations.	Int	11	Yes
estimation_date		Datetime	0	Yes
location_id	Specify the location ID.	Int	11	Yes

**9.3.4.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
location_populations_locations_fk1	location_id	r2	locations	pk_id	RESTRICT

**9.3.4.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
location_populations_location_id_locations_pk_id	location_id	Normal	BTREE

## **9.4 Models & Controllers**

Admin Module

### **9.4.1 Manage Products (Product)**

#### **9.4.1.1 Controller: ManageProducts**

- products()

#### **9.4.1.2 Model: ItemPackSizes**

- getAllProducts()

Add Product

9.4.1.3 ***Controller: ManageProducts***

- addProduct()
- checkProduct()

9.4.1.4 ***Model: ItemPackSizes***

- checkProducts()

## Update Product

### 9.4.1.5 *Controller: ManageProducts*

- ajaxProductEdit()
- updateProduct()
- checkProduct()

### 9.4.1.6 *Model: ItemPackSizes*

- checkProducts()

## **9.4.2 Manage Products (Setup Barcode)**

### **9.4.2.1 *Controller: ManageStocks***

- `setupBarcode()`
- `deleteStakeholderItemPackSize()`

### **9.4.2.2 *Model: StakeholderItemPackSizes***

- `getStakeholderItemPackSizes()`

Add Setup

9.4.2.3 ***Controller: ManageStocks***

- setupBarcode()
- ajaxSetupBarcode()

9.4.2.4 ***Model: StakeholderItemPackSizes***

- setupBarcode()
- getStakeholderItemPackSizes()

Update Setup

#### 9.4.2.5 *Controller: ManageStocks*

- updateBarcode()

## Detail Setup

### 9.4.2.6 *Controller: ManageStocks*

- detailBarcode()

### 9.4.2.7 *Model: StakeholderItemPackSizes*

- getStakeholderItemPackSizesAll()

### **9.4.3 Manage Products (Item Categories)**

#### **9.4.3.1 *Controller: ManageProducts***

- itemCategories()

#### **9.4.3.2 *Model: ItemCategories***

- getItemCategories()

## Add Item Category

### 9.4.3.3 *Controller: ManageProducts*

- addItemCategory()
- checkItemCategory()

### 9.4.3.4 *Model: ItemCategories*

- checkItemCategory()

## Update Item Category

### 9.4.3.5 *Controller: ManageProducts*

- ajaxItemCategoriesEdit()
- checkItemCategory()

### 9.4.3.6 *Model: ItemCategories*

- checkItemCategory()

## **9.4.4 Manage Products (VVM Types)**

### **9.4.4.1 *Controller: ManageProducts***

- vvmType()
- ajaxChangeStatus()

### **9.4.4.2 *Model: VvmTypes***

- getAllVvmTypes()

Add VVM Type

9.4.4.3 *Controller: ManageProducts*

- addVvmType()

Update VVM Type

9.4.4.4 ***Controller: ManageProducts***

- ajaxEdit()
- updateVvmType()

9.4.4.5 ***Model: ItemCategories***

- checkItemCategory()

## 9.4.5 Manage Products (Transaction Types)

### 9.4.5.1 *Controller: ManageProducts*

- transactionType()
- ajaxChangeStatusTran()

### 9.4.5.2 *Model: TransactionType*

- getAllTransactionTypes()

Add Transaction Type

9.4.5.3 ***Controller: ManageProducts***

- addTransactionType()

Update Transaction Type

9.4.5.4 ***Controller: ManageProducts***

- ajaxEditTran()

## **9.4.6 Manage Products (Item Units)**

### **9.4.6.1 *Controller: ManageProducts***

- itemUnits()

### **9.4.6.2 *Model: ItemUnits***

- getItemUnits()

Add Item Unit

9.4.6.3 ***Controller: ManageProducts***

- checkItemUnit()
- addItemUnit()

9.4.6.4 ***Model:ItemUnits***

- checkItemUnit()

## Update Item Unit

### 9.4.6.5 *Controller: ManageProducts*

- ajaxItemUnitsEdit()
- updateItemUnit()

### 9.4.6.6 *Model: ItemUnits*

- checkItemUnit()

## **9.4.7 Manage Products (Item Groups)**

### **9.4.7.1 *Controller: ManageProducts***

- item()

### **9.4.7.2 *Model: Items***

- getAllItems()

Add Item Group

9.4.7.3 *Controller: ManageProducts*

- addItem()

## Update Item Group

### 9.4.7.4 *Controller: ManageProducts*

- updateItem()

## **9.4.8 Manage Stakeholders (Stakeholders)**

### **9.4.8.1 *Controller: ManageStakeholders***

- stakeholders()

### **9.4.8.2 *Model: Stakeholders***

- getStakeholders()

Add Stakeholder

9.4.8.3 ***Controller: ManageStakeholders***

- addStakeholder()
- checkStakeholder()

9.4.8.4 ***Model: Stakeholders***

- checkStakeholders()

## Update Stakeholder

### 9.4.8.5 *Controller: ManageStakeholders*

- ajaxStakeholderEdit()
- updateStakeholder()
- checkStakeholder()

### 9.4.8.6 *Model: Stakeholders*

- checkStakeholders()

## **9.4.9 Manage Stakeholders (Office)**

### **9.4.9.1 *Controller: ManageStakeholders***

- office()

### **9.4.9.2 *Model: Stakeholders***

- getOffices()

Add Office

9.4.9.3 ***Controller: ManageStakeholders***

- checkOffice()
- addOffice()

9.4.9.4 ***Model: Stakeholders***

- checkOffice()

## Update Office

### 9.4.9.5 *Controller: ManageStakeholders*

- ajaxOfficeEdit()
- checkOffice()
- updateOffice()

### 9.4.9.6 *Model: Stakeholders*

- checkOffice()

## **9.4.10 Manage Stakeholders (Manufacturer)**

### **9.4.10.1 *Controller: ManageStakeholders***

- manufacturer()

### **9.4.10.2 *Model: Stakeholders***

- getManufacturers()

Add Manufacturer

9.4.10.3 ***Controller: ManageStakeholders***

- checkManufacturer()
- addManufacturer()

9.4.10.4 ***Model: Stakeholders***

- checkManufacturerAdmin ()

Update Manufacturer

9.4.10.5 *Controller: ManageStakeholders*

- ajaxManufacturerEdit()
- checkManufacturer()
- updateManufacturer()

9.4.10.6 *Model: Stakeholders*

- checkManufacturerAdmin ()

## **9.4.11 Manage Stakeholders (Stakeholder Activities)**

### **9.4.11.1 *Controller: ManageStakeholders***

- stakeholderActivities()

### **9.4.11.2 *Model: Stakeholders***

- getStakeholderActivities()

Add Stakeholder Activity

9.4.11.3 ***Controller: ManageStakeholders***

- checkStakeholderActivity()
- addStakeholderActivity()

9.4.11.4 ***Model: Stakeholders***

- checkStakeholderActivity()

## Update Stakeholder Activity

### 9.4.11.5 *Controller: ManageStakeholders*

- ajaxStakeholderActivityEdit()
- checkStakeholderActivity()
- updateStakeholderActivity()

### 9.4.11.6 *Model: Stakeholders*

- checkStakeholderActivity()

## **9.4.12 Manage Stakeholders (Stakeholder Types)**

### **9.4.12.1 *Controller: ManageStakeholders***

- stakeholderTypes()

### **9.4.12.2 *Model: Stakeholders***

- getStakeholderTypes()

Add Stakeholder Type

9.4.12.3 ***Controller: ManageStakeholders***

- checkStakeholderType()
- addStakeholderType()

9.4.12.4 ***Model: Stakeholders***

- checkStakeholderType()

## Update Stakeholder Activity

### 9.4.12.5 *Controller: ManageStakeholders*

- ajaxStakeholderTypeEdit()
- checkStakeholderType()
- updateStakeholderType()

### 9.4.12.6 *Model: Stakeholders*

- checkStakeholderType()

## **9.4.13 Manage Stakeholders (Stakeholder Sectors)**

### **9.4.13.1 *Controller: ManageStakeholders***

- stakeholderSectors()

### **9.4.13.2 *Model: Stakeholders***

- getStakeholderSectors()

Add Stakeholder Sector

9.4.13.3 ***Controller: ManageStakeholders***

- checkStakeholderSector()
- addStakeholderSector()

9.4.13.4 ***Model: Stakeholders***

- checkStakeholderSector()

Update Stakeholder Sector

9.4.13.5 ***Controller: ManageStakeholders***

- ajaxStakeholderSectorEdit()
- checkStakeholderSector()
- updateStakeholderSector()

9.4.13.6 ***Model: Stakeholders***

- checkStakeholderSector()

## **9.4.14 Manage Stakeholders (Stakeholder Items)**

### **9.4.14.1 *Controller: ManageStakeholders***

- stakeholderItems()
- ajaxGetItems()

### **9.4.14.2 *Model: ItemPackSizes***

- getAllItemsForClusterByStakeholder()

## **9.4.15 Manage Locations (Location Types)**

### **9.4.15.1 *Controller: ManageLocations***

- locationType()
- ajaxChangeStatus()

### **9.4.15.2 *Model: LocationTypes***

- getAllLocationTypes()

Add Location Type

9.4.15.3 ***Controller: ManageLocations***

- addLocationType()

## Update Location Type

### 9.4.15.4 *Controller: ManageLocations*

- ajaxEditLocType()
- updateLocationType()

## **9.4.16 Manage Locations (Add Locations)**

### **9.4.16.1 Controller: *ManageLocations***

- index()
- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- delete()

### **9.4.16.2 Model: *Locations***

- getAllLocations()

### **9.4.16.3 Controller: *Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### **9.4.16.4 Model: *Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## Add Locations

### 9.4.16.5 *Controller: ManageLocations*

- getLocationTypes()
- checkLocation()
- add()
- checkCcmLocation()

### 9.4.16.6 *Model: Locations*

- checkLocation()
- checkCcmLocationId()

### 9.4.16.7 *Controller: Index*

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### 9.4.16.8 *Model: Locations*

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## Update Locations

### 9.4.16.9 **Controller: ManageLocations**

- ajaxEdit()
- checkLocationUpdate()
- checkCcmLocationUpdate()
- update()

### 9.4.16.10       **Model: Locations**

- checkLocationUpdate()

### 9.4.16.11       **Controller: Index**

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### 9.4.16.12       **Model: Locations**

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## **9.4.17 Manage Store Facilities (Routine)**

### **9.4.17.1 *Controller: ManageStores***

- routine()
- delete()

### **9.4.17.2 *Model: Warehouses***

- getAllWarehouses()

### **9.4.17.3           *Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### **9.4.17.4           *Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## Add Store Facility

### 9.4.17.5 *Controller: ManageStores*

- getWarehouseTypes()
- checkStores()
- checkCcmWarehouse()

### 9.4.17.6           *Model: Warehouses*

- getWarehouseType()
- checkWarehouse()
- checkCcmWarehouseId()

### 9.4.17.7           *Controller: Index*

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### 9.4.17.8           *Model: Locations*

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## Update Store Facility

### 9.4.17.9 *Controller: ManageStores*

- ajaxRoutineEdit()
- updateRoutine()
- getWarehouseTypes()
- checkStoresUpdate()
- checkCcmWarehouseUpdate()

### 9.4.17.10        *Model: Warehouses*

- getWarehouseType()
- checkWarehouseUpdate()
- checkCcmWarehouseIdUpdate()

### 9.4.17.11        *Controller: Index*

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### 9.4.17.12        *Model: Locations*

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## **9.4.18 Manage Store Facilities (Campaign Teams)**

### **9.4.18.1 *Controller: ManageStores***

- campaigns()
- delete()

### **9.4.18.2           *Model: Warehouses***

- getAllWarehouses()

### **9.4.18.3           *Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### **9.4.18.4           *Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Add Campaign Team

9.4.18.5 ***Controller: ManageStores***

- checkStores()
- addCampaigns()

9.4.18.6           ***Model: Warehouses***

- checkWarehouse()

9.4.18.7           ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.18.8           ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Update Campaign Team

9.4.18.9 ***Controller: ManageStores***

- ajaxCampaignsEdit()
- updateCampaigns()
- checkStoresUpdate()

9.4.18.10       ***Model: Warehouses***

- checkWarehouseUpdate()

9.4.18.11       ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.18.12       ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## **9.4.19 Manage Store Facilities (Inventory)**

### **9.4.19.1 *Controller: ManageStores***

- inventory()

### **9.4.19.2           *Model: Warehouses***

- getAllWarehousesInventory()

### **9.4.19.3           *Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### **9.4.19.4           *Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Add Store Facility

9.4.19.5 *Controller: ManageStores*

- getWarehouseTypes()
- checkStoresInventory()
- checkCcmWarehouse()
- addInventory()

9.4.19.6            *Model: Warehouses*

- checkWarehouse()

9.4.19.7            *Controller: Index*

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.19.8            *Model: Locations*

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## Update Store Facility

### 9.4.19.9 *Controller: ManageStores*

- ajaxEdit()
- getWarehouseTypes()
- updateInventory()
- checkStoresUpdateInventory()
- checkCcmWarehouseUpdate()

### 9.4.19.10        *Model: Warehouses*

- checkWarehouseInventoryUpdate()
- checkCcmWarehouseUpdate()

### 9.4.19.11        *Controller: Index*

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### 9.4.19.12        *Model: Locations*

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## **9.4.20 Manage Users (Routine Immunization->Users)**

### **9.4.20.1 *Controller: ManageUsers***

- routineUsers()

### **9.4.20.2           *Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### **9.4.20.3           *Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Add User

9.4.20.4 ***Controller: ManageUsers***

- checkUsers()
- addRoutine()

9.4.20.5           ***Model: Users***

- checkUsers()

9.4.20.6           ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.20.7           ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Update User

9.4.20.8 ***Controller: ManageUsers***

- ajaxEditCampaigns()
- checkUsersUpdate()
- updateRoutine()

9.4.20.9           ***Model: Users***

- checkUsersUpdate()

9.4.20.10          ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.20.11          ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## **9.4.21 Manage Users (Routine Immunization-> Update Cluster Leads)**

### **9.4.21.1 *Controller: ManageUsers***

- updateCluster()
- ajaxGetDistrict()
- ajaxGetUsers()
- ajaxGetWarehouses()

### **9.4.21.2           *Model: Warehouses***

- getWharehouseUsersId()
- getAllUsersForClusterByUser()
- getAllUsersForClusterByDistrict()

### **9.4.21.3           *Model: Locations***

- districtLocations()

### **9.4.21.4           *Model: Users***

- getAllUsersForCluster()

## **9.4.22 Manage Users (Campaigns Users)**

### **9.4.22.1 *Controller: ManageUsers***

- campaignsUsers()

### **9.4.22.2           *Model: Users***

- getCampaignUsers()

### **9.4.22.3 *Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### **9.4.22.4           *Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Add User

9.4.22.5 ***Controller: ManageUsers***

- checkUsers()
- addCampaigns()

9.4.22.6           ***Model: Users***

- checkUsers()

9.4.22.7           ***Model: Warehouses***

- getWarehouseIdByUclUpdate()

9.4.22.8 ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.22.9           ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## Update User

### 9.4.22.10      *Controller: ManageUsers*

- ajaxEditCampaigns()
- checkUsersUpdate()
- updateCampaigns()

### 9.4.22.11      *Model: Users*

- checkUsersUpdate()

### 9.4.22.12      *Model: Warehouses*

- getWarehouseIdByUcIdUpdate()

### 9.4.22.13      *Controller: Index*

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### 9.4.22.14      *Model: Locations*

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## **9.4.23 Manage Users (IM Users)**

### **9.4.23.1 *Controller: ManageUsers***

- `ImUsers()`

### **9.4.23.2           *Model: Users***

- `getAllUsers()`

### **9.4.23.3 *Controller: Index***

- `locationsCombosOne()`
- `locationsCombosTwo()`
- `locationsCombosThree()`
- `locationsCombosFour()`

### **9.4.23.4           *Model: Locations***

- `getLocationsByLevel()`
- `districtLocations()`
- `getLocationsByLevelByTehsil()`

Add IM User

9.4.23.5 ***Controller: ManageUsers***

- checkUsers()
- addInventory()

9.4.23.6           ***Model: Users***

- checkUsers()

9.4.23.7           ***Model: Warehouses***

- getWarehouseIdByLevel()

9.4.23.8 ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.23.9           ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## Update IM User

### 9.4.23.10      *Controller: ManageUsers*

- ajaxEditIm()
- checkUsersUpdate()
- updateInventory()

### 9.4.23.11      *Model: Users*

- checkUsersUpdate()

### 9.4.23.12      *Controller: Index*

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### 9.4.23.13      *Model: Locations*

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## **9.4.24 Manage Users (Policy Users)**

### **9.4.24.1 *Controller: ManageUsers***

- policyUsers()

### **9.4.24.2           *Model: Users***

- getAllPolicyUsers ()

### **9.4.24.3           *Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

### **9.4.24.4           *Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Add Policy User

9.4.24.5 ***Controller: ManageUsers***

- checkUsersPolicy()
- addPolicy()

9.4.24.6           ***Model: Users***

- checkUsersPolicy()

9.4.24.7 ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.24.8           ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

Update Policy User

9.4.24.9 ***Controller: ManageUsers***

- ajaxEditPolicy()
- checkUsersUpdatePolicy()
- updatePolicy()

9.4.24.10       ***Model: Users***

- checkUsersUpdate()

9.4.24.11       ***Controller: Index***

- locationsCombosOne()
- locationsCombosTwo()
- locationsCombosThree()
- locationsCombosFour()

9.4.24.12       ***Model: Locations***

- getLocationsByLevel()
- districtLocations()
- getLocationsByLevelByTehsil()

## 9.5 Screens

### Search Product

Products

Products Search

Product	Item Category	Item Unit	Group
BCG-20	Vaccines	Vials	BCG

Search Reset

Products List

Product	Item Category	Item Unit	Group	Action
BCG-20	Vaccines	Vials	BCG	Edit

Showing 1 to 1 of 1 entries

### Add Product

Add Product

List Rank *	Item Category *	Item Unit *	Group *
1	Vaccines	Vials	BCG
Product *	Description *	Percent Population Covered *	
BCG-20	BCG		
This field is required.			
Number of Doses *			
20			

**Save**

### Update Product

Edit Product

List Rank *	Item Category *	Item Unit *	Group *
4	Vaccines	Vials	BCG
Product *	Description *	Number of Doses *	
BCG-20		20	

**Update**

## Add Setup

Setup Barcode

Add Barcode

Product*	Manufacturer*
Select Product	Select Manufacturer
Barcode Type*	Item GTIN
Select Barcode Type	
Pack Size*	Length      Width      Height
Expiry Date Format	Vials/Pcs
Select Expiry Date Format	Per Pack
Volume (CM3)	
Per Vial/PC	

This product don't have barcode

Product	Manufacturer	Barcode TType	Vials Per Pack	Volume	Action
bOPV	GSK	Non GS1	10	10.00	<input type="button" value="Edit"/> <input type="button" value="Detail"/> <input type="button" value="Delete"/>
BCG-20	GSK	GS1 Data Matrix	20	100.00	<input type="button" value="Edit"/> <input type="button" value="Detail"/> <input type="button" value="Delete"/>
Pentavalent-1	Bulgaria	GS1 Data Matrix	10	0.30	<input type="button" value="Edit"/> <input type="button" value="Detail"/> <input type="button" value="Delete"/>
AD Syringe 0.05ml	SANOFI PASTEUR SA France	Self Printed	100	10.00	<input type="button" value="Edit"/> <input type="button" value="Detail"/> <input type="button" value="Delete"/>
DIL-BCG-20	Serum Institute of India Ltd.	Non GS1	120	15.00	<input type="button" value="Edit"/> <input type="button" value="Detail"/> <input type="button" value="Delete"/>

## Update Setup

Update Barcode

Product*	Manufacturer*
bOPV	GSK
Barcode Type*	Item GTIN
Non GS1	testGTIN
Pack Size*	1000      123      123      123
Expiry Date Format	Vials/Pcs
yyyy-mm-dd	10
Per Pack	
Volume	
Per Vial/PC	

This product don't have barcode

## Detail Setup

### Product Barcode Detail

<b>Product</b>	bOPV		
<b>Barcode Type</b>	Non GS1		
<b>Barcode</b>	<b>GTIN No</b>	<b>Batch Lot No</b>	<b>Expiry Date</b>
<b>Start Position</b>			
<b>End Position</b>			
<b>Pack Size</b>	1000	123	123
<b>Vials/Pcs</b>	<b>Expiry Date Format</b>		
10	yyyy-mm-dd		
<b>Volume</b>	10.00		
<b>Barcode Pre Printed</b>			
Yes			

## Search Item Category

Item Categories

#### Item Categories Search

Item Category

#### Item Categories List

Item Category	Action
Vaccines	<input type="button" value="Edit"/>

Showing 1 to 1 of 1 entries

## Add Item Category

### Add Item Category

Item Category \*

## Update Item Category

Edit Item Category ×

---

Item Category \*

Vaccines

---

Update

## Search VVM Type

Manage VVM Types

VVM Type Search ▼

---

VVM Type  Status  All  Active  Inactive Search Reset

---

VVM Type List ▼

10 ▾ records per page Add VVM Type

VVM Type Name	Item	Created By	Action

## Add VVM Type

Add VVM Type ×

---

VVM Type Name \*

Item \*

---

Status  Active  In Active

---

Save

## Update VVM Type

## Edit VVM Type

VVM Type Name *	Item *
<input type="text" value="Usable 2"/>	<input type="text" value="bOPV"/>

**Update**

## Search Transaction Type

Manage Transaction Types

Transaction Type Search				
Transaction Type	Nature	Positive	Negative	
<input type="text" value="Cold Chain Break"/>				<input type="button" value="Search"/> <input type="button" value="Reset"/>
Transaction Type List				
10 records per page				<input type="button" value="Add Transaction Type"/>
Transaction Type Name	Created By	Nature	Action	
Cold Chain Break	Administrator	Negative	<input type="button" value="Edit"/> <input type="button" value="Active"/>	

## Add Transaction Type

### Add Transaction Type

Transaction Type Name \* Nature  Positive  Negative

Stock receive from warehouse

Status  Active  In Active

**Save**

## Update Transaction Type

### Edit Transaction Type

Transaction Type Name \*



Stock receive from warehouse

**Update**

## Search Item Unit

Item Units

Item Units Search

Item Unit	Doses	Search	Reset
-----------	-------	--------	-------

Item Units List

Item Units	Action
Doses	Edit

Showing 1 to 1 of 1 entries

## Add Item Unit

### Add Item Unit

Item Unit

Doses

Save

## Update Item Unit

### Edit Item Unit

Item Unit

Doses

Update

## Search Item Group

#### Item Groups

Item Groups Search

Item Group Title	Action
Measles	Edit

Item Groups List

Item Group Title	Action
Measles	Edit

Showing 1 to 1 of 1 entries

#### Add Item Group

Edit Item

Item Group Title *	<input type="text" value="Measles"/>
<input type="button" value="Update"/>	

#### Update Item Group

Edit Item

Item Group Title *	<input type="text" value="Measles"/>
<input type="button" value="Update"/>	

#### Search Stakeholder

## Manage Stakeholders

**Stakeholders Search**

Stakeholder	Top Level	Sector	Activites Supported
EPI Program	National	Private	Routine

**Search** **Reset**

**Stakeholders List**

10 ▾ records per page					Add Stakeholder
Stakeholder	Top Level	Sector	Activities Supported	Action	
EPI Program	National	Private	Routine	<b>Edit</b>	

Showing 1 to 1 of 1 entries

## Add Stakeholder

**Add Stakeholder**

**Top Level \***      **Sector \***      **Activites Supported \***

National	Private	Routine
----------	---------	---------

**Stakeholder \***

EPI
-----

**Save**

## Update Stakeholder

**Edit Stakeholder**

**Top Level \***      **Sector \***

National	Private
----------	---------

**Activites Supported \***      **Stakeholder \***

Routine	EPI Program
---------	-------------

**Update**

## Search Office

Manage Office

Office Search

Stakeholder	Office	Level
EPI Program	Divisional EPI Office	Division

Search Reset

Office List

Office	Level	Sector	Activities Supported	Action
Divisional EPI Office	Division	Private	Routine	Edit

Showing 1 to 1 of 1 entries

## Add Office

### Add Office

Stakeholder \*

EPI Program

Level

Division

Office \*

Divisional EPI

Save

## Update Office

### Edit Office

Stakeholder \*

EPI Program

Level

Division

Office \*

Divisional EPI

Update

## Search Manufacturer

## Manage Manufacturer

Manufacturer Search

Manufacturer	Sector	Search	Reset
WHO	Private	Search	Reset

Office List

Manufacturer	Level	Sector	Action
WHO	National	Private	Edit

Showing 1 to 1 of 1 entries

## Add Manufacturer

### Add Manufacturer

Sector *	Manufacturer *
Private	WHO
<input type="button" value="Save"/>	

## Update Manufacturer

### Edit Manufacturer

Sector *	Manufacturer *
Private	WHO
<input type="button" value="Update"/>	

## Search Stakeholder Activity

Stakeholder Activities

Stakeholder Activities Search

Activity	Search	Reset
Campaign	Search	Reset

Stakeholder Activities List

Stakeholder Activity	Action
Campaign	Edit

Showing 1 to 1 of 1 entries

## Add Stakeholder Activity

## Add Stakeholder Activity

x

Activity \*

Campaign

Save

## Update Stakeholder Activity

### Edit Stakeholder Activity

x

Activity \*

Campaign

Update

## Search Stakeholder Type

Stakeholder Types

Stakeholder Type Search		
Stakeholder Type	<input type="text" value="Manufacturer"/>	<input type="button" value="Search"/> <input type="button" value="Reset"/>
Stakeholder Type List		
10 ▾ records per page	<input type="button" value="Add Stakeholder Type"/>	
Stakeholder type	Action	
Manufacturer	<input type="button" value="Edit"/>	
Showing 1 to 1 of 1 entries		

## Add Stakeholder Type

### Add Stakeholder Type

x

Stakeholder Type

Manufacturer

Save

## Update Stakeholder Type

## Edit Stakeholder Type

x

### Stakeholder Type

Manufacturer

**Update**

## Search Stakeholder Sector

Stakeholder Sectors

### Stakeholder Sectors Search

Stakeholder Sector

Private

Search

Reset

### Stakeholder Sectors List

10 ▾ records per page

Add Stakeholder Sector

Stakeholder Sector

Private

Action

Edit

Showing 1 to 1 of 1 entries

## Add Stakeholder Sector

### Add Stakeholder Sector

x

#### Stakeholder Sector

Private

**Save**

## Update Stakeholder Sector

### Edit Stakeholder Sector

x

#### Stakeholder Sector \*

Private

**Update**

## Stakeholder Items

### Change Stakeholder Items

Change Stakeholder Items

Stakeholders	
EPI Center	▼
<b>Un-assigned Items</b>	
bOPV Pentavalent-1 Pneumococcal-2 (PCV10) Measles-10 TT-10 TT-20 AD Syringe 0.05ml Recon. Syr 5ml Safety Box Recon. Syr 2ml	
<b>Assigned Items</b>	
BCG-20 AD Syringe 0.5ml	
<b>Submit</b>	

### Search Location Type

#### Manage Location Types

Location Type Search

Location Type	Status	Search	Reset
Province	All/Active/Inactive	Search	Reset

Location Type List

Location Type Name	Geo Level	Created By	Action
Province	Provincial	Administrator	Edit Active

Showing 1 to 1 of 1 entries

### Add Location Type

#### Add Location Type

Location Type Name \*

Province

Geo Level \*

Provincial

Status Active/In Active

Save

### Update Location Type

## Edit Location Type

Location Type Name *	Geo Level *
<input type="text" value="Province"/>	<input type="text" value="Provincial"/> ▼

**Update**

## Search Locations

Manage Locations(Geographical)

Locations Search							
Location Level *	Province						
Division	Punjab						
Not Used in Warehouses ⓘ							
<b>Search</b> <b>Reset</b>							

Locations List							
Location	Situated In	Administrative Level	CCM Code	Type	Action	Add Locations	
Bahawalpur Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Dera Ghazi Khan Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Faisalabad Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Gujranwala Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Lahore Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Multan Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Rawalpindi Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Sahiwal Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		
Sargodha Division	Punjab	Division		Region	<b>Edit</b> <b>Delete</b>		

Showing 1 to 9 of 9 entries

## Add Locations

### Add Locations

Location Level *	Province	
<input type="text" value="District"/> ▼	<input type="text" value="Punjab"/> ▼	
Type	Location Name	CCM Code
<input type="text" value="Tertiary"/> ▼	<input type="text"/>	<input type="text"/>
Please enter Location		

**Save**

## Update Locations

Edit Locations

Location Level *	Province	
District	Punjab	
Type	Location Name	CCM Code
District	Bahawalpur Di	
<b>Update</b>		

## Search Store Facility - Routine

Manage Stores/Facilities (Routine)

Stores/Facilities Search				
Province *	District *	Tehsil *	UC *	
Punjab	Bahawalpur	Ahmedpur east	Ali Kharik	
<b>Search</b> <b>Reset</b>				
Stores/Facilities List				
10 records per page				<b>Add Store/Facility</b>
Store/facility	UC	District	Province	Action
BWPR Ahmedpur Teaching Hospital	Ali Kharik	Bahawalpur	Punjab	<b>Edit</b> <b>Delete</b>
Showing 1 to 1 of 1 entries				

## Add Store Facility - Routine

Add Stores/Facilities

Province *	District *	Tehsil *	UC *
Punjab	Bahawalpur	Ahmedpur	Ali Kharik
Type	Store/Facility	CCM Code	
Teaching	BWPR Ahmedp	123	
<b>Save</b>			

## Update Store Facility – Routine

## Edit Stores/Facilities

Province *	District *	Tehsil *	UC *
Punjab	Bahawalpur	Ahmedpu	Ali Kharik
Type	Store/Facility	CCM Code	
Teaching	BWPR Ahmedp	123	

**Update**

## Search Campaign Team

Manage Campaign Teams

Stores/Facilities Search				
Province *	District *	Tehsil *	UC *	
Punjab	Bahawalpur	Ahmedpureast	Ali Kharik	
<b>Search</b> <b>Reset</b>				
Stores/Facilities List				
10 records per page <span style="float: right;"><b>Add Campaign Team</b></span>				
Team	UC	District	Province	Action
Campaign Store	Ali Kharik	Bahawalpur	Punjab	<b>Edit</b> <b>Delete</b>
Showing 1 to 1 of 1 entries				

## Add Campaign Team

Province *	District *	Tehsil *	UC *
Punjab	Bahawalpur	Ahmedpu	Ali Kharik
Store/Facility			
Campaign Stor			

**Save**

## Update Campaign Team

## Edit Stores/Facilities

Province \* District \* Tehsil \* UC \*

Punjab	Bahawalpi	Ahmedpu	Bakhtiani
Store/Facility	Campaign Stor		

**Update**

## Search Store Facility – Inventory

Manage Stores/Facilities (Inventory)

Stores/Facilities Search								
Office Type *	Province	District *						
District	Balochistan	Awaran						
<b>Search</b> <b>Reset</b>								
Stores/Facilities List								
10 records per page								
Store/facility	Office	Tehsil	District	Province	Action			
District Awaran	EPI Program	Awaran	Balochistan	Awaran	<b>Edit</b>			
Showing 1 to 1 of 1 entries								

## Add Store Facility – Inventory

### Add Stores/Facilities

Office Type \* Province District \*

District	Punjab	Faisalabad
Type	Store/Facility	CCM Code
DHQ hosp	Fsd DHQ Store	123

**Save**

## Update Store Facility – Inventory

## Edit Stores/Facilities

Office Type \* Province District \*

District	Punjab	Faisalabad
Type	Store/Facility	CCM Code
DHQ hosp	Fsd DHQ Store	123

**Update**

Search User

Add User

Update User

User Cluster Leads

Change Warehouse Cluster Leads

Province	District	User
Punjab	Bahawalpur	user1dnb
Warehouses		
<b>Un-assigned Warehouses</b>	<b>Assigned Warehouses</b>	
BHU 182/M RHC La Sohawa RHC Dera Balha BHU Kudiala BHU Mitra RHC Changloth Hospital Hesipur RHC Mubarakpur RHC Qamipur RHC Khanqah Sharif	RHC Head Rajan BHU 1/DNB BHU 8/DNB BHU 20/DNB BHU 39/DNB	

**Submit**

Search IM User

## Manage Routine Immunization Users

**Users Search**

Province *	District *	Tehsil *	UC *
Punjab	Bahawalpur	Ahmedpur east	Ali Kharik

**Search** **Reset**

**Users List**

User Name	UC	District	Province	Action
usermubarikpur	Ali Kharik	Bahawalpur	Punjab	<b>Edit</b>
imuser	Ali Kharik	Bahawalpur	Punjab	<b>Edit</b>

Showing 1 to 2 of 2 entries

## Add IM User

**Add User**

Province *	District *	Tehsil *	UC *
Punjab	Bahawalpur	Ahmedpur	Ali Kharik
Default Store	UserName	Password	Confirm Password
BHU Ali Kha	imuser	•••	•••

**Save**

## Update IM User

**Edit Users**

Office Type *	Province
Provincial	Punjab
Default Store	UserName
Punjab El	imuser
	Password
	Confirm Password
	...

**Update**

## Search Policy User

Manage Policy Users

Users Search

Office Type \*

National

Users List

10 records per page

UserName	Type	Province	District	Action
savita	policyuser-national	National	National	<input type="button" value="Edit"/>
khurram	policyuser-national	National	National	<input type="button" value="Edit"/>
saif	policyuser-national	National	National	<input type="button" value="Edit"/>
user_ds	policyuser-national	National	National	<input type="button" value="Edit"/>
rolando	policyuser-national	National	National	<input type="button" value="Edit"/>
terry	policyuser-national	National	National	<input type="button" value="Edit"/>
tariq_iqbal	policyuser-national	National	National	<input type="button" value="Edit"/>
user_qa	policyuser-national	National	National	<input type="button" value="Edit"/>

Showing 11 to 18 of 18 entries

## Add Policy User

Add User

UserName\*

user\_qa

Email\*

javed@deliver-pk.org

Phone\*

923017979259

Password\*

\*\*\*\*\*

Confirm Password\*

\*\*\*\*\*

Office Type \*

National

## Update Policy User

Edit Users

The form contains the following fields:

- Username: user\_qa
- Email\*: javed@deliver-pk.org
- Old Password\*: ..... (redacted)
- New Password\*: ..... (redacted)
- Office Type \*: National

**Update**

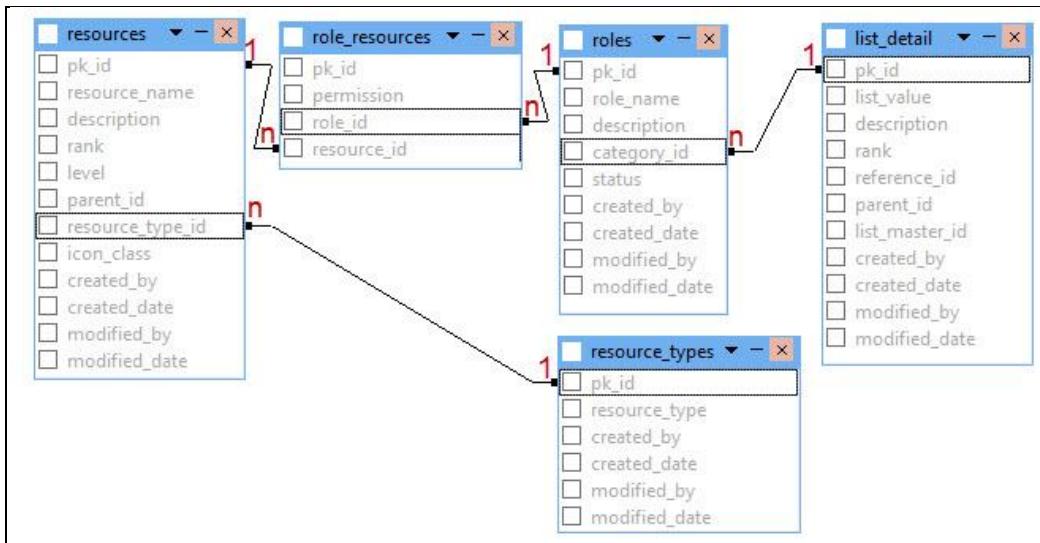
## 10. USER RIGHT MANAGEMENT

### 10.1 Table Definition

Sr No.	Table Name	Definition
1.	roles	Definition of the user roles.
2.	role_resources	Definition of role resources.
3.	resource_types	Definition of resource types.
4.	resources	Maintain the resources.

## 10.2 Relationship Diagrams

### 10.2.1 Roles



## 10.3 Tables

### 10.3.1 Table Name: roles

This table is used to manage the roles.

#### 10.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
role_name	Specify the role name.	Varchar	100	Yes
description	Specify the description.	Text	0	Yes
category_id	Specify the list detail ID for “User Role Categories”, which has ID equal to 8 in list master table and it has corresponding values from ID equal to 29 to 31 in list detail table.	Int	11	No
status	Specify the status.	Tinyint	1	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

**10.3.1.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
roles_list_detail_fk1	category_id	r2	list_detail	pk_id	RESTRICT
roles_users_fk2	created_by	r2	users	pk_id	RESTRICT
roles_users_fk3	modified_by	r2	users	pk_id	RESTRICT

**10.3.1.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
roles_category_id_list_detail_pk_id	category_id	Normal	BTREE
roles_created_by_users_pk_id	created_by	Normal	BTREE
roles_modified_by_users_pk_id	modified_by	Normal	BTREE

### **10.3.2 Table Name: role\_resources**

This table is used to manage the role resources.

#### **10.3.2.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
permission	Specify the role permissions.	Enum	0	No
is_default		Tinyint	1	Yes
role_id	Specify the role ID.	Int	11	No
resource_id	Specify the resource ID.	Int	11	No

**10.3.2.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
role_resources_roles_fk1	role_id	r2	roles	pk_id	RESTRICT
role_resources_resources_fk2	resource_id	r2	resources	pk_id	RESTRICT

**10.3.2.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
role_resources_role_id_roles_pk_id	role_id	Normal	BTREE
role_resources_resource_id_resources_pk_id	resource_id	Normal	BTREE

### **10.3.3 Table Name: resource\_types**

This table is used to store the resource types.

#### **10.3.3.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
resource_type	Specify the resource type.	Varchar	255	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	No
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

10.3.3.2 ***Relationships:***

<b>Table Names</b>	<b>Fields</b>	<b>Referenced</b>	<b>Referenced</b>	<b>Referenced</b>	<b>On</b>
		<b>Database</b>	<b>Table</b>	<b>Fields</b>	<b>Delete/On Update</b>
resource_types_users_fk1	created_by	r2	users	pk_id	RESTRICT
resource_types_users_fk2	modified_by	r2	users	pk_id	RESTRICT

10.3.3.3 ***Related Indexes:***

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
resource_types_created_by_users_pk_id	created_by	Normal	BTREE
resource_types_modified_by_users_pk_id	modified_by	Normal	BTREE

#### **10.3.4 Table Name: resources**

This table is used to store the resources.

##### **10.3.4.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
resource_name	Specify the resource name.	Varchar	100	Yes
description	Specify the description.	Text	0	Yes
icon_class	Specify the icon class	Varchar	50	Yes
rank	Specify the rank of the resource.	Int	11	Yes
level	Specify the level of the resource.	Int	11	Yes
parent_id	Specify the parent ID.	Int	11	Yes
resource_type_id	Specify the resource type ID.	Int	11	No
created_by	Specify the user ID.	Int	11	Yes
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 10.3.4.2 Relationships:

Table Names	Fields	Reference d Database	Referenced Table	Reference d Fields	On Delete/O n Update
resources_resource_types_fk1	resource_type_id	r2	resource_types	pk_id	RESTRICT
resources_users_fk2	created_by	r2	users	pk_id	RESTRICT
resources_users_fk3	modified_by	r2	users	pk_id	RESTRICT

#### 10.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
resources_resource_type_id_resources_types_pk_id	resource_type_id	Normal	BTREE
resources_created_by_users_pk_id	created_by	Normal	BTREE
resources_modified_by_users_pk_id	modified_by	Normal	BTREE

## 10.4 Models & Controllers

Super Admin

### 10.4.1 Manage ACL (Assign Role Resources)

#### 10.4.1.1 *Controller: ManageRoles*

- resources()
- deleteRoleResource()

#### 10.4.1.2           *Model:RoleResources*

- getRoleResources()

## Assign Resources to Roles

### 10.4.1.3 *Controller: ManageRoles*

- checkRoleResource()

## **10.4.2 Manage Resources**

### **10.4.2.1 *Controller: ManageResources***

- index()
- delete()

### **10.4.2.2           *Model:Resources***

- getResources()

Add Resource

#### 10.4.2.3 *Controller: ManageResources*

- checkResource()
- add()

## Update Resource

### 10.4.2.4 *Controller: ManageResources*

- ajaxEdit()
- update()

### **10.4.3 Manage Roles**

#### **10.4.3.1 *Controller: ManageRoles***

- index()
- delete()

#### **10.4.3.2 *Model: Roles***

- getRoles()

## Add Role

### 10.4.3.3 *Controller: ManageRoles*

- checkRole()
- add()

## Update Role

### 10.4.3.4 *Controller: ManageRoles*

- ajaxEdit()
- update()

## 10.5 Screens

### Assign Resources to Roles

Assign Resources to Role

Role Search

Role name	Role Description
superadmin	

Search

Resource List

Resource name	Description	Resource type	Level	Action
iadmin/manage-resources/index	Manage Resources	Menu Items	1	Delete
iadmin/manage-roles/index	Manage Roles	Menu Items	1	Delete
iadmin/manage-roles/resources	Assign Role Resources	Menu Items	1	Delete
iadmin/manage-stakeholders/	Manage Stakeholders	Menu Items	1	Delete
iadmin/manage-stakeholders/stakeholders	Stakeholders	Menu Items	1	Delete
index/index	Index	Others	1	Delete
index/logout	Logout	Others	1	Delete
manage-acl	Manage ACL	Menu Items	1	Delete

10 records per page

Assign Resources to Roles

Showing 1 to 8 of 8 entries

### Add - Resources to Roles

#### Add Resource

X

Role Name

Resource Name

Permission

Save

### Search Resources

## Manage Resources

Resource Search

Resource name	Resource type	Search
cadmin/index/index	Menu Items	

Resource List

Resource List				
Resource name	Description	Resource type	Level	Action
cadmin/index/index	Home	Menu Items	1	<button>Edit</button> <button>Delete</button>

Showing 1 to 1 of 1 entries

## Add Resources

### Add Resource

Resource Name	Description
cadmin_1/index/index	Home
Resource Type Id	Parent
Menu Items	Cadmin - Index - Home
Rank	Level
1	1

**Save**

## Update Resources

## Edit Resource

Resource Name	Description
<input type="text" value="cadmin/index/index"/>	<input type="text" value="Home"/>
Resource Type Id	Parent
<input type="text" value="Menu Items"/>	<input type="text" value="Select"/>
Rank	Level
<input type="text" value="1"/>	<input type="text" value="1"/>

Update

## Search Role

### Manage Roles

Role Search				
Role name	Role Description			
<input type="text" value="campaign-district"/>	<input type="text" value="Campaign District User"/>	<input type="button" value="Search"/>		
Role List				
10 ▾ records per page				<input type="button" value="Add Role"/>
Role Name	Description	Category	Created Date	Action
campaign-district	Campaign District User	Campaign	2014-06-30 14:15:07	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Showing 1 to 1 of 1 entries

## Add Role

### Add Role

Role Name	Description
<input type="text" value="campaign-district-2"/>	<input type="text" value="Home"/>
Category	Status
<input type="text" value="Campaign"/>	<input type="text" value="Active"/>

Save

## Update Role

### Edit Role



Role Name

Description

Category

▼

Status

▼**Update**

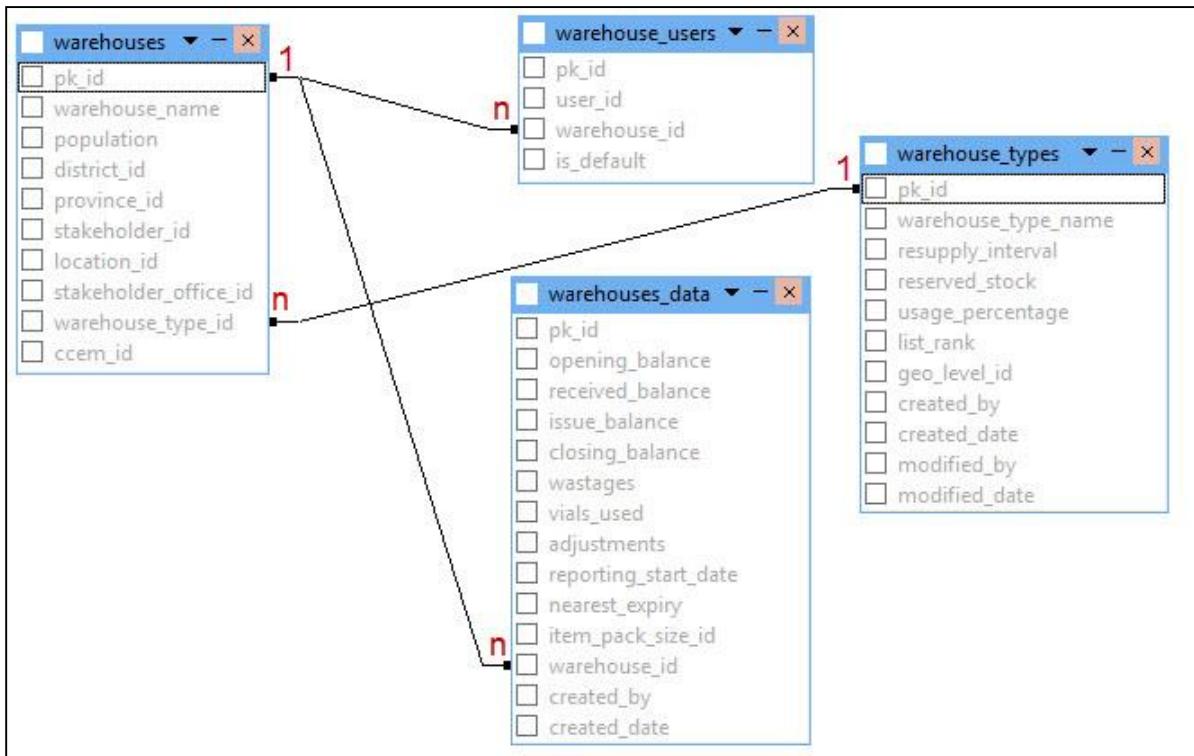
# 11. WAREHOUSES MANAGEMENT

## 11.1 Table Definition

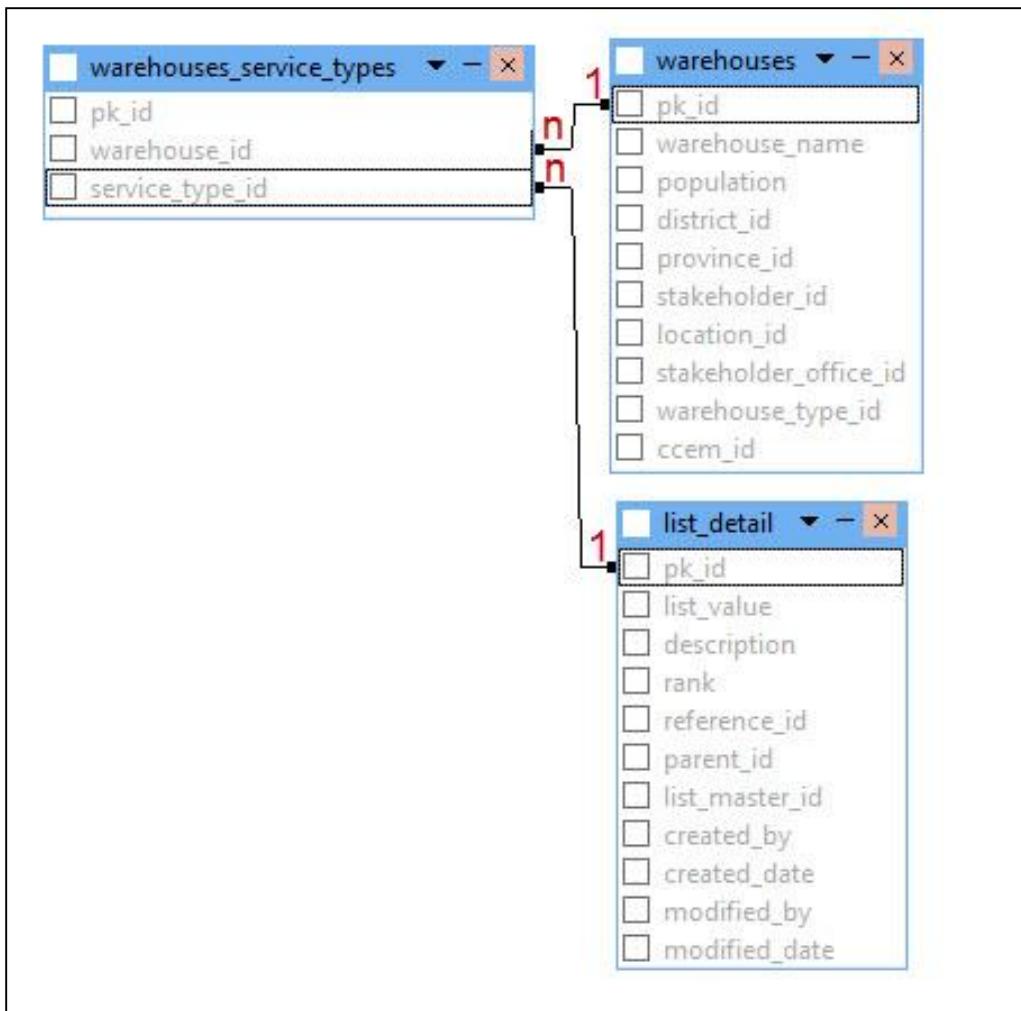
Sr No.	Table Name	Definition
1.	<code>warehouses_data</code>	Maintain the warehouses data.
2.	<code>warehouses</code>	Definition of the warehouses.
3.	<code>warehouse_users</code>	Maintain the warehouse users.
4.	<code>warehouse_types</code>	Definition of warehouse types.
5.	<code>warehouses_service_types</code>	Definition of warehouse service type.
6.	<code>warehouse_population</code>	Definition of warehouse population.
7.	<code>warehouse_population_archive</code>	Maintain the warehouse population archive
8.	<code>warehouse_storage_types</code>	Definition of warehouse storage types.
9.	<code>warehouse_vaccine_storage_types</code>	Definition of warehouse vaccine storage types.
10.	<code>warehouse_types_vaccine_supply_schedule</code>	Definition of warehouse types for vaccine supply schedule.
11.	<code>warehouse_vaccine_supply_schedules</code>	Definition of warehouse vaccine supply schedules.
12.	<code>warehouses_update_history</code>	Maintain the warehouse update history.

## 11.2 Relationship Diagrams

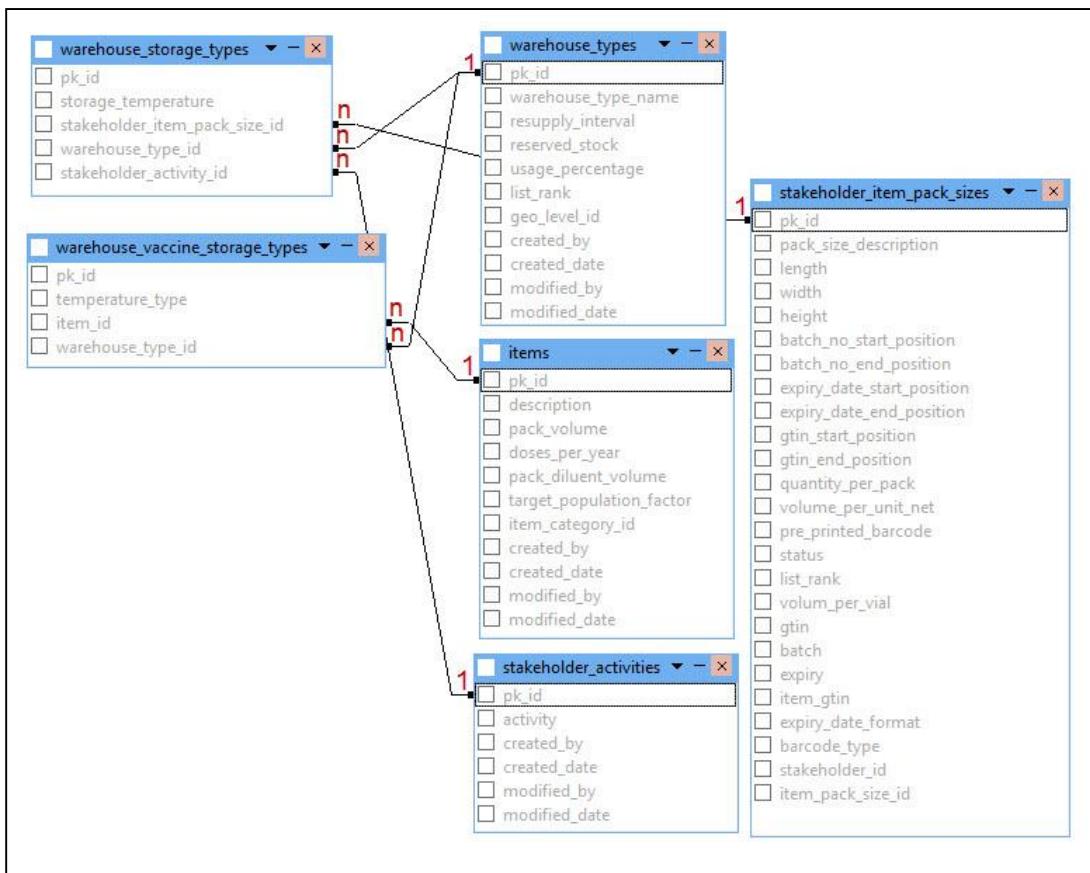
### 11.2.1 Warehouses



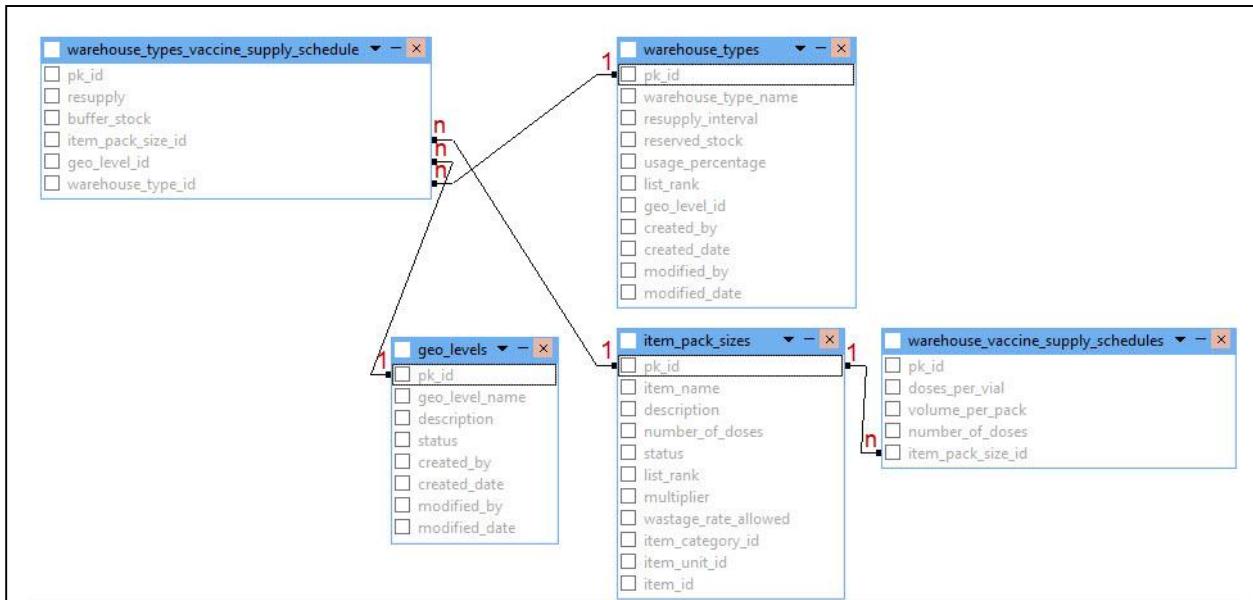
### 11.2.2 Warehouses Service Types



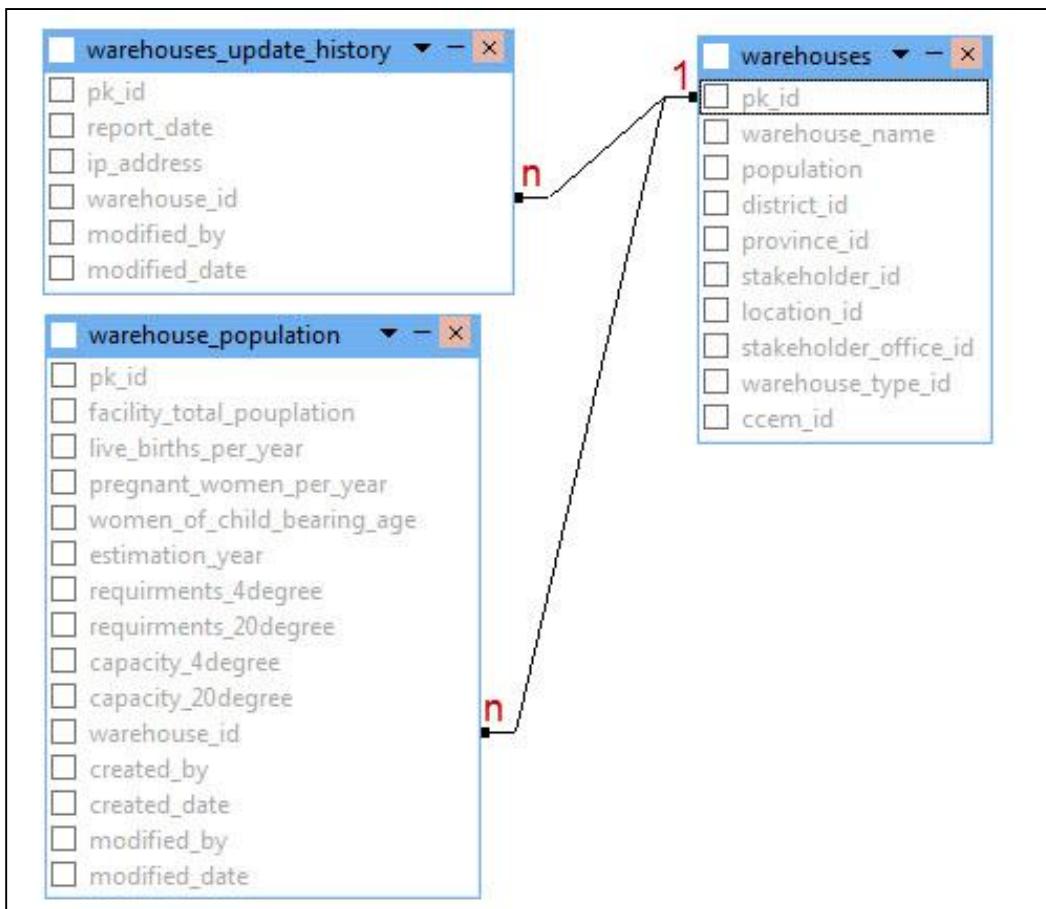
### 11.2.3 Warehouse Vaccine Storage Types



#### 11.2.4 Warehouse Vaccine Supply Schedule



### 11.2.5 Warehouse Update History and Population



## 11.3 Tables

### 11.3.1 Table Name: **warehouses\_data**

This table is used to store warehouses data.

#### 11.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
opening_balance	Specify the opening balance.	Int	11	Yes
received_balance	Specify the received balance.	Int	11	Yes
issue_balance	Specify the issue balance.	Int	11	Yes
closing_balance	Specify the closing balance.	Int	11	Yes
wastages	Specify the quantity of the wastages.	Int	11	Yes
vials_used	Specify the vials used.	Int	11	Yes
adjustments	Specify the adjustment.	Int	11	Yes
reporting_start_date	Specify the reporting start date.	Datetime	0	Yes
nearest_expiry	Specify the nearest expiry.	Datetime	0	Yes
item_pack_size_id	Specify the item pack size ID.	Int	11	Yes
warehouse_id	Specify the warehouse ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	Yes
created_date	Specify the created date.	Datetime	0	No
modified_date	Specify the modified date.	Timestamp	0	No

### 11.3.1.2 Relationships:

Table Names	Fields	Reference d	Referenced Table	Reference d Fields	On Delete/O n	Update
Database						
warehouses_data_item_pack_sizes_fk1	item_pack_size_id	r2	item_pack_sizes	pk_id		RESTRICT
warehouses_data_warehouses_fk2	warehouse_id	r2	warehouses	pk_id		RESTRICT
warehouses_data_users_fk3	created_by	r2	users	pk_id		RESTRICT

### 11.3.1.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
warehouses_data_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE
warehouses_data_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
warehouses_data_created_by_users_pk_id	created_by	Normal	BTREE

### **11.3.2 Table Name: warehouses**

This table is used to store the warehouses values.

#### **11.3.2.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
warehouse_name	Specify the warehouse name.	Varchar	100	Yes
population	Specify the population of designated area.	Double	255	Yes
district_id	Specify the district ID.	Int	11	Yes
province_id	Specify the province ID.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes
location_id	Specify the location ID.	Int	11	Yes
stakeholder_office_id	Specify the stakeholder office ID.	Int	11	Yes
warehouse_type_id	Specify the warehouse type ID.	Int	11	Yes
ccem_id	Specify the CCEM ID of the warehouse.	Varchar	50	Yes

### 11.3.2.2 Relationships:

Table Names	Fields	Reference d	Referenced Table	Reference d Fields	On Delete/O n
Database					
Update					
warehouses_locations_fk1	district_id	r2	locations	pk_id	RESTRICT
warehouses_locations_fk2	province_id	r2	locations	pk_id	RESTRICT
warehouses_stakeholders_fk3	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
warehouses_locations_fk4	location_id	r2	locations	pk_id	RESTRICT
warehouses_stakeholders_fk5	stakeholder_office _id	r2	stakeholders	pk_id	RESTRICT
warehouses_warehouse_types _fk6	warehouse_type_i d	r2	warehouse_typ es	pk_id	RESTRICT

### 11.3.2.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
warehouses_district_id_locations_pk_id	district_id	Normal	BTREE
warehouses_province_id_locations_pk_id	province_id	Normal	BTREE
warehouses_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
warehouses_location_id_locations_pk_id	location_id	Normal	BTREE
warehouses_stakeholder_office_id_stakeholders_pk_id	stakeholder_office_id	Normal	BTREE
warehouses_warehouse_type_id_warehouse_types_pk_id	warehouse_type_id	Normal	BTREE

### **11.3.3 Table Name: warehouse\_users**

This table is used to manage warehouse users.

#### **11.3.3.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
user_id	Specify the user ID.	Int	11	No
warehouse_id	Specify the warehouse ID.	Int	11	No
is_default	Specify if it's a default user.	Tinyint	1	Yes

### 11.3.3.2 Relationship

Table Names	Fields	Reference d Database	Reference d Table	Reference d Fields	On Delete/O n Update
warehouse_users_users_fk1	user_id	r2	users	pk_id	RESTRICT
warehouse_users_warehouses_fk 2	warehouse_i d	r2	warehouses	pk_id	RESTRICT

### 11.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
warehouse_users_user_id_users_pk_id	user_id	Normal	BTREE
warehouse_users_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE

#### **11.3.4 Table Name: warehouse\_types**

This table is used to manage the warehouse types.

##### **11.3.4.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
warehouse_type_name	Specify the warehouse type name.	Varchar	100	Yes
resupply_interval	Specify the resupply interval.	Int	11	Yes
reserved_stock	Sepcify the reserved stock for a particular warehouse type.	Int	11	Yes
usage_percentage	Specify the usage percentage of a warehouse.	Decimal	2	Yes
list_rank	Specify the list rank.	Int	11	Yes
geo_level_id	Specify the geo level ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

#### 11.3.4.2 Relationships:

Table Names	Fields	Referenced	Referenced	Referenced	On
		Database	Table	Fields	Delete/On Update
warehouse_types_geo_levels_fk1	geo_level_id	r2	geo_levels	pk_id	RESTRICT
warehouse_types_users_fk2	created_by	r2	users	pk_id	RESTRICT
warehouse_types_users_fk3	modified_by	r2	users	pk_id	RESTRICT

#### 11.3.4.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
warehouse_types_geo_level_id_geo_levels_pk_id	geo_level_id	Normal	BTREE
warehouse_types_created_by_users_pk_id	created_by	Normal	BTREE
warehouse_types_modified_by_users_pk_id	modified_by	Normal	BTREE

### **11.3.5 Table Name: warehouses\_service\_types**

This table is used to manage the warehouses service types.

#### **11.3.5.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
warehouse_id	Specify the warehouse ID.	Int	11	Yes
service_type_id	Specify the list detail ID for “Service Types”, which is 25 ID in list master table and its value in 112 to 113 ID in list detail table.	Int	11	Yes

**11.3.5.2 Relationships:**

Table Names	Fields	Reference d	Reference d Table	Reference d Fields	On Delete/O n Update
<b>Database</b>					
warehouses_service_types_warehouse s_fk1	warehouse_id	r2	warehouses	pk_id	RESTRICT
warehouses_service_types_list_detail_f k2	service_type_id	r2	list_detail	pk_id	RESTRICT

**11.3.5.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
warehouses_service_types_ warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
warehouses_service_types_ service_type_id_list_detail_pk_id	service_type_id	Normal	BTREE

### **11.3.6 Table Name: warehouse\_population**

This table is used to store warehouse population.

#### **11.3.6.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
facility_total_population	Specify the total population of a facility.	Int	11	Yes
live_births_per_year	Specify the number of live births per year.	Int	11	Yes
pregnant_women_per_year	Specify the number of pregnant women per year.	Int	11	Yes
women_of_child_bearing_age	Specify the number of women of child bearing age.	Int	11	Yes
estimation_year	Specify the year of estimation.	Datetime	0	Yes
requirements_4degree	Specify the requirement of 4°C asset.	Double	11	Yes
requirements_20degree	Specify the requirement of 20°C asset.	Double	11	Yes
capacity_4degree	Specify the capacity of 4°C asset.	Double	11	Yes
capacity_20degree	Specify the capacity of 20°C asset.	Double	11	Yes
warehouse_id	Specify the warehouse ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 11.3.6.2 Relationships:

Table Names	Fields	Reference d	Reference d Table	Reference d Fields	On Delete/O n Update
Database					
warehouse_population_warehouses_fk1	warehouse_id	r2	warehouses	pk_id	RESTRICT
warehouse_population_users_fk2	created_by	r2	users	pk_id	RESTRICT
warehouse_population_users_fk3	modified_by	r2	users	pk_id	RESTRICT

### 11.3.6.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
warehouse_population_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
warehouse_population_created_by_users_pk_id	created_by	Normal	BTREE
warehouse_population_modified_by_users_pk_id	modified_by	Normal	BTREE

### **11.3.7 Table Name: warehouse\_population\_archieve**

This table is used to store warehouse population archieve.

#### **11.3.7.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the list master ID. It is auto increment.	Int	11	No
facility_total_population	Specify the total population of a facility.	Int	11	Yes
live_births_per_year	Specify the number of live births per year.	Int	11	Yes
pregnant_women_per_year	Specify the number of pregnant women per year.	Int	11	Yes
women_of_child_bearing_age	Specify the number of women of child bearing age.	Int	11	Yes
estimation_year	Specify the year of estimation.	Datetime	0	Yes
warehouse_id	Specify the warehouse ID.	Int	11	Yes
created_by	Specify the user ID.	Int	11	No
created_date	Specify the created date.	Datetime	0	Yes
modified_by	Specify the user ID.	Int	11	No
modified_date	Specify the modified date.	Timestamp	0	Yes

### 11.3.7.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/ On Update
warehouse_population_archieve_warehouses_fk1	warehouse_id	r2	warehouses	pk_id	RESTRICT
warehouse_population_archieve_users_fk2	created_by	r2	users	pk_id	RESTRICT
warehouse_population_archieve_users_fk3	modified_by	r2	users	pk_id	RESTRICT

### 11.3.7.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
warehouse_population_archieve_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
warehouse_population_archieve_created_by_users_pk_id	created_by	Normal	BTREE
warehouse_population_archieve_modified_by_users_pk_id	modified_by	Normal	BTREE

### **11.3.8 Table Name: warehouse\_storage\_types**

This table is used to manage the warehousestorage types.

#### **11.3.8.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
storage_temperature	Specify the storage temperature.	Int	11	Yes
stakeholder_item_pack_size_id	Specify the stakeholder item pack size ID.	Int	11	Yes
warehouse_type_id	Specify the warehouse type ID.	Int	11	Yes
stakeholder_activity_id	Specify the stakeholder activity ID.	Int	11	Yes

#### 11.3.8.2 Relationships:

Table Names	Fields	Referenced	Referenced	Referenced	On
		nced	Table	nced	Delet
		Data	base	Fields	e/On
		se			Update
					e
warehouse_storage_types_stakeholder_item_pack_sizes_fk1	stakeholder_item_pack_size_id	r2	stakeholder_item_pack_sizes	pk_id	RESTRICT
warehouse_storage_types_warehouse_types_fk2	warehouse_type_id	r2	warehouse_types	pk_id	RESTRICT
warehouse_storage_types_stakeholder_activities_fk3	stakeholder_activity_id	r2	Stakeholder_activities	pk_id	RESTRICT

#### 11.3.8.3 Related Indexes:

Table Names	Fields	Index	Index
		x	Meth
		Type	od
		e	
warehouse_storage_types_stakeholder_item_pack_size_id_stakeholder_item_pack_sizes_pk_id	stakeholder_item_pack_size_id	Normal	BTREE
warehouses_storage_types_warehouse_type_id_warehouse_types_pk_id	warehouse_type_id	Normal	BTREE
warehouses_storage_types_stakeholder_activity_id_stakeholder_activities_pk_id	stakeholder_activity_id	Normal	BTREE

### **11.3.9 Table Name: warehouse\_vaccine\_storage\_types**

This table is used to manage the warehousevaccine storage types.

#### **11.3.9.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
temperature_type	Specify the temperature type, i.e. 4°C and 20°C.	Int	11	Yes
item_id	Specify the item ID.	Int	11	Yes
warehouse_type_id	Specify the warehouse type ID.	Int	11	Yes

### 11.3.9.2 Relationships:

Table Names	Fields	Referen ced <b>Databas e</b>	Reference d Table	Referen ced <b>Fields</b>	On Delete/ On Update
warehouse_vaccine_storage_types_items_fk1	item_id	r2	items	pk_id	RESTRICT
warehouse_vaccine_storage_types_warehouse_types_fk2	warehouse_type_id	r2	warehouse_types	pk_id	RESTRICT

### 11.3.9.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
warehouse_vaccine_storage_types_item_id_items_pk_id	item_id	Normal	BTREE
warehouses_vaccine_storage_types_warehouse_type_id_warehouse_type_pk_id	warehouse_type_id	Normal	BTREE

### **11.3.10        Table Name: warehouse\_types\_vaccine\_supply\_schedule**

This table is used to manage the warehousetype's vaccine supply schedule.

#### **11.3.10.1      *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
resupply		Int	11	Yes
buffer_stock		Float	0	Yes
item_pack_size_id	Specify the item pack size ID.	Int	11	Yes
geo_level_id	Specify the geo level ID.	Int	11	Yes
warehouse_type_id	Specify the warehouse type ID.	Int	11	Yes

### 11.3.10.2 *Relationships:*

<b>Table Names</b>	<b>Fields</b>	<b>Referenced Database</b>	<b>Reference Table</b>	<b>Referenced Fields</b>	<b>On Delete/ Update</b>
warehouse_types_vaccine_supply_schedule_item_pack_sizes_fk1	item_pack_size_id	r2	item_pack_sizes	pk_id	RESTRICT
warehouse_types_vaccine_supply_schedule_geo_levels_fk2	geo_level_id	r2	geo_levels	pk_id	RESTRICT
warehouse_types_vaccine_supply_schedule_warehouse_types_fk3	warehouse_type_id	r2	warehouse_types	pk_id	RESTRICT

### 11.3.10.3 *Related Indexes:*

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
warehouse_types_vaccine_supply_schedule_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE
warehouse_types_vaccine_supply_schedule_geo_level_id_geo_levels_pk_id	geo_level_id	Normal	BTREE
warehouse_types_vaccine_supply_schedule_warehouse_type_id_warehouse_types_pk_id	warehouse_type_id	Normal	BTREE

### **11.3.11        Table Name: warehouse\_vaccine\_supply\_schedules**

This table is used to manage the warehouse vaccine supply schedule.

#### **11.3.11.1      *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
doses_per_vial	Specify the number of doses per vial.	Int	11	Yes
volume_per_pack	Specify the volume per pack.	Int	11	Yes
number_of_doses	Specify the total number of doses.	Int	11	Yes
item_pack_size_id	Specify the item pack size ID.	Int	11	Yes

11.3.11.2      ***Relationships:***

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/ On Update
warehouse_vaccine_supply_schedules_item_pack_sizes_fk1	item_pack_size_id	r2	item_pack_sizes	pk_id	RESTRICT

11.3.11.3      ***Related Indexes:***

Table Names	Fields	Index Type	Index Method
warehouse_vaccine_supply_schedules_item_pack_size_id_item_pack_sizes_pk_id	item_pack_size_id	Normal	BTREE

### **11.3.12      Table Name: warehouses\_update\_history**

This table is used to manage the warehouses update history.

#### **11.3.12.1      *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the asset type ID. It is auto increment.	Int	11	No
report_date	Specify the reporting date of a warehouse.	Tinyblob	0	Yes
ip_address	Specify the ip address of the reporting system.	Varchar	20	Yes
warehouse_id	Specify the warehouse ID.	Int	11	Yes
modified_by	Specify the user ID.	Int	11	Yes
modified_date	Specify the modified date.	Timestamp	0	Yes

11.3.12.2      ***Relationships:***

Table Names	Fields	Reference d	Reference d Table	Reference d Fields	On Delete/O n Update
warehouses_update_history_warehouse s_fk1	warehouse_id	r2	warehouses	pk_id	RESTRICT
warehouses_update_history_users_fk2	modified_by	r2	users	pk_id	RESTRICT

11.3.12.3      ***Related Indexes:***

Table Names	Fields	Index Type	Index Method
warehouses_update_history_warehouse_id_warehouses_pk_id	warehouse_id	Normal	BTREE
warehouses_update_history_modified_by_users_pk_id	modified_by	Normal	BTREE

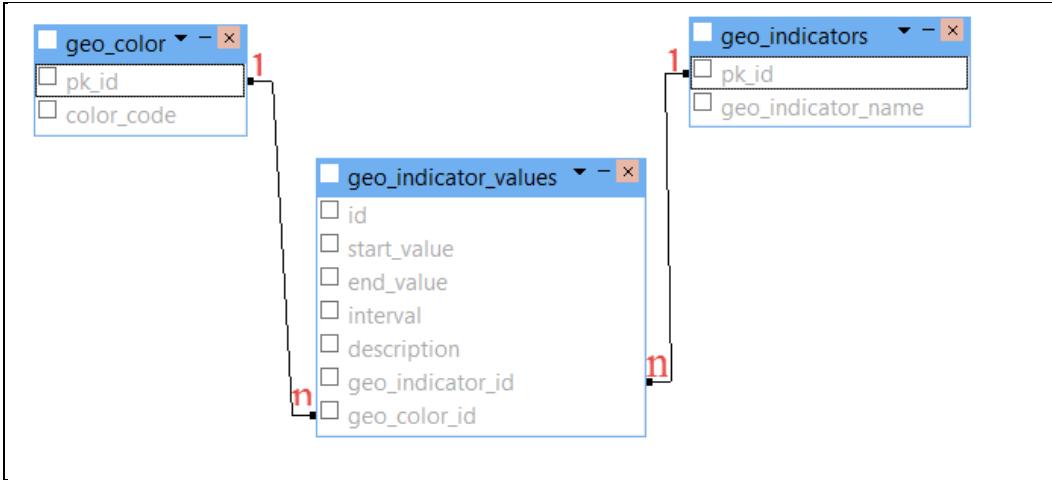
## **12. WEB MAPING MANAGEMENT**

### **12.1 Table Definition**

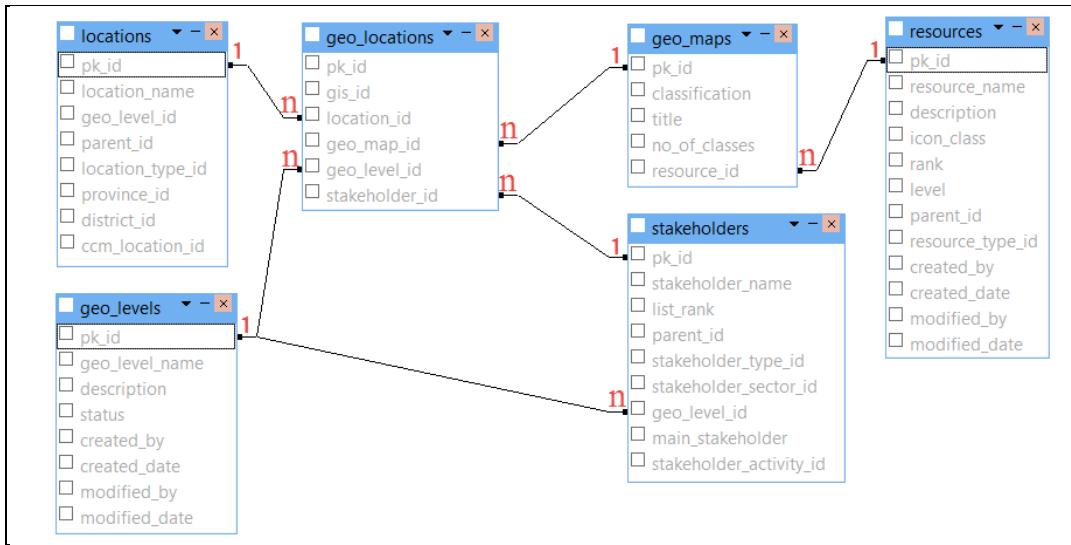
<b>Sr No.</b>	<b>Table Name</b>	<b>Definition</b>
1.	<b>geo_color</b>	<b>Definition of assigned geo colors.</b>
2.	<b>geo_maps</b>	<b>Definition of geo maps.</b>
3.	<b>geo_indicator_values</b>	<b>Definition of geo indicator values.</b>
4.	<b>geo_indicators</b>	<b>Definition of geo indicators.</b>
5.	<b>geo_locations</b>	<b>Definition of geo locations.</b>
6.	<b>map_district_mapping</b>	<b>Definition of map district mapping.</b>
7.	<b>pilot_districts</b>	<b>Definition of pilot districts.</b>

## 12.2 Relationship Diagrams

### **12.2.1 Indicators with Colors of Interval Classification**



## 12.2.2 Geo Levels Location and Maps



## 12.3 Tables

### 12.3.1 Table Name: geo\_color

This table is used to manage the geo colors.

#### 12.3.1.1 *Table Properties*

Field Name	Description	Type	Length	Null
id	Specify the unique ID. It is auto increment field.	Int	11	No
color_code	Specify the name of the color code.	Varchar	255	Yes

## **12.3.2      Table Name: geo\_maps**

This table is used to store the geo maps information.

### **12.3.2.1 Table Properties**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
classification	Specify the name.	Varchar	100	Yes
title	Specify the title.	Varchar	100	Yes
no_of_classes	Specify the number of classes.	Int	11	Yes
resource_id	Specify the resource ID.	Int	11	No

**12.3.2.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
geo_maps_resources_fk1	resource_id	r2	resources	pk_id	RESTRICT

**12.3.2.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
geo_maps_resource_id_resources_pk_id	resource_id	Normal	BTREE

### **12.3.3 Table Name: geo\_indicator\_values**

This table is used to store the geo indicator values.

#### **12.3.3.1 *Table Properties***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
id	Specify the unique ID. It is auto increment field.	Int	11	No
start_value	Specify the start value.	Decimal	10	Yes
end_value	Specify the start value.	Decimal	10	Yes
interval	Specify the end value.	Varchar	255	Yes
description	Specify the description.	Varchar	255	Yes
geo_indicator_id	Specify the indicator ID.	Int	11	No
geo_color_id	Specify the color ID.	Int	11	No

**12.3.3.2 Relationships:**

Table Names	Fields	Reference d	Reference d Table	Reference d Fields	On Delete/O n Update
<b>Database</b>					
geo_indicator_values_geo_indicator_fk1	geo_indicator_id	r2	geo_indicators	pk_id	RESTRICT
geo_indicator_values_geo_color_fk2	geo_color_id	r2	geo_color	pk_id	RESTRICT

**12.3.3.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
geo_indicator_values_geo_indicator_id_geo_indicator_pk_id	geo_indicator_id	Normal	BTREE
geo_indicator_values_geo_color_id_geo_color_pk_id	geo_color_id	Normal	BTREE

#### **12.3.4 Table Name: geo\_indicators**

This table is used to manage the geo indicators.

##### **12.3.4.1 *Table Properties***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
geo_indicator_name	Specify the geo indicator name.	Varchar	100	Yes

## **12.3.5        Table Name: geo\_locations**

This table is used to store the information of geo locations.

### **12.3.5.1 *Table Properties***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
gis_id	Specify the GIS ID.	Int	11	Yes
location_id	Specify the location ID.	Int	11	Yes
geo_map_id	Specify the geo map ID.	Int	11	Yes
geo_level_id	Specify the geo level ID.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes

### 12.3.5.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
geo_locations_locations_fk1	location_id	r2	locations	pk_id	RESTRICT
geo_locations_geo_maps_fk2	geo_map_id	r2	geo_maps	pk_id	RESTRICT
geo_locations_geo_levels_fk3	geo_level_id	r2	geo_levels	pk_id	RESTRICT
geo_locations_stakeholders_fk4	stakeholder_id	r2	stakeholders	pk_id	RESTRICT

### 12.3.5.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
geo_locations_location_id_locations_pk_id	location_id	Normal	BTREE
geo_locations_geo_map_id_geo_maps_pk_id	geo_map_id	Normal	BTREE
geo_locations_geo_level_id_geo_levels_pk_id	geo_level_id	Normal	BTREE
geo_locations_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE

### **12.3.6 Table Name: map\_district\_mapping**

This table is used to store map district.

#### **12.3.6.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
mapping_id	Specify the mapping ID.	Int	11	Yes
district_name	Specify the district name.	Varchar	255	Yes
province_name	Specify the province name.	Varchar	255	Yes
default_district	Specify the default district.	Int	11	Yes
pilot_district_status	Specify the pilot district status.	Tinyint	1	Yes
district_id	Specify the district ID.	Int	11	No
province_id	Specify the province ID.	Int	11	No

**12.3.6.2 Relationships:**

<b>Table Names</b>	<b>Fields</b>	<b>Reference d Database</b>	<b>Reference d Table</b>	<b>Reference d Fields</b>	<b>On Delete/O n Update</b>
map_district_mapping_locations_fk1	district_id	r2	locations	pk_id	RESTRICT
map_district_mapping_locations_fk2	province_id	r2	locations	pk_id	RESTRICT

**12.3.6.3 Related Indexes:**

<b>Table Names</b>	<b>Fields</b>	<b>Index Type</b>	<b>Index Method</b>
map_district_mapping_district_id_locations_pk_id	district_id	Normal	BTREE
map_district_mapping_province_id_locations_pk_id	province_id	Normal	BTREE

### **12.3.7 Table Name: pilot\_districts**

This table is used to store the pilot districts.

#### **12.3.7.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
district_id	Specify the location ID.	Int	11	Yes

#### **12.3.7.2 Relationships:**

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
pilot_districts_locations_fk1	district_id	r2	locations	pk_id	RESTRICT

#### **12.3.7.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
pilot_districts_district_id_locations_pk_id	district_id	Normal	BTREE

## **12.4 Models & Controllers**

### **12.4.1 Month of Stock**

#### *12.4.1.1 Controller: Maps*

- mos()

#### *12.4.1.2 Controller: Geo*

- getMosMapData()
- getColorClasses()

#### *12.4.1.3 Model: Geo*

- getMosMapData ()

### **12.4.2 Consumption**

#### *12.4.2.1 Controller: Maps*

- amc()

#### *12.4.2.2 Controller: Geo*

- getAmcMapData()
- getColorClasses()

#### *12.4.2.3 Model: Geo*

- getAmcMapData ()

### **12.4.3 Reporting Rate**

#### *12.4.3.1 Controller: Maps*

- reportingRate()

#### *12.4.3.2 Controller: Geo*

- getReportingRate()
- getColorClasses()

#### *12.4.3.3 Model: Geo*

- getReportingRate ()

### **12.4.4 Wastages**

#### *12.4.4.1 Controller: Maps*

- wastages()

#### *12.4.4.2 Controller: Geo*

- getWastageMapData()
- getColorClasses()

#### 12.4.4.3 *Model: Geo*

- getAcceptableWastages ()
- getWastageMapData()

### 12.4.5 Wastages vs. Reporting Rate

#### 12.4.5.1 *Controller: Maps*

- wastagesReporting()

#### 12.4.5.2 *Controller: Geo*

- getWastagesVsReporting()
- getColorClasses()// Calling 2 times

#### 12.4.5.3 *Model: Geo*

- getWastagesVsReporting ()

### 12.4.6 Expiry Alert

#### 12.4.6.1 *Controller: Maps*

- expiryAlert()

#### 12.4.6.2 *Controller: Geo*

- getExpiryAlert()
- getColorClasses()

#### 12.4.6.3 *Model: Geo*

- getExpiryAlert ()

### 12.4.7 Vaccine Coverage

#### 12.4.7.1 *Controller: Maps*

- vaccineCoverage()

#### 12.4.7.2 *Controller: Geo*

- getVaccineCoverage()
- getColorClasses()

#### 12.4.7.3 *Model: Geo*

- getVaccineCoverage ()

## **12.4.8 Cold Chain Capacity**

### **12.4.8.1 *Controller: Maps***

- coldChainCapacity()

### **12.4.8.2 *Controller: Geo***

- getColdChainCapacity()
- getColorClasses()

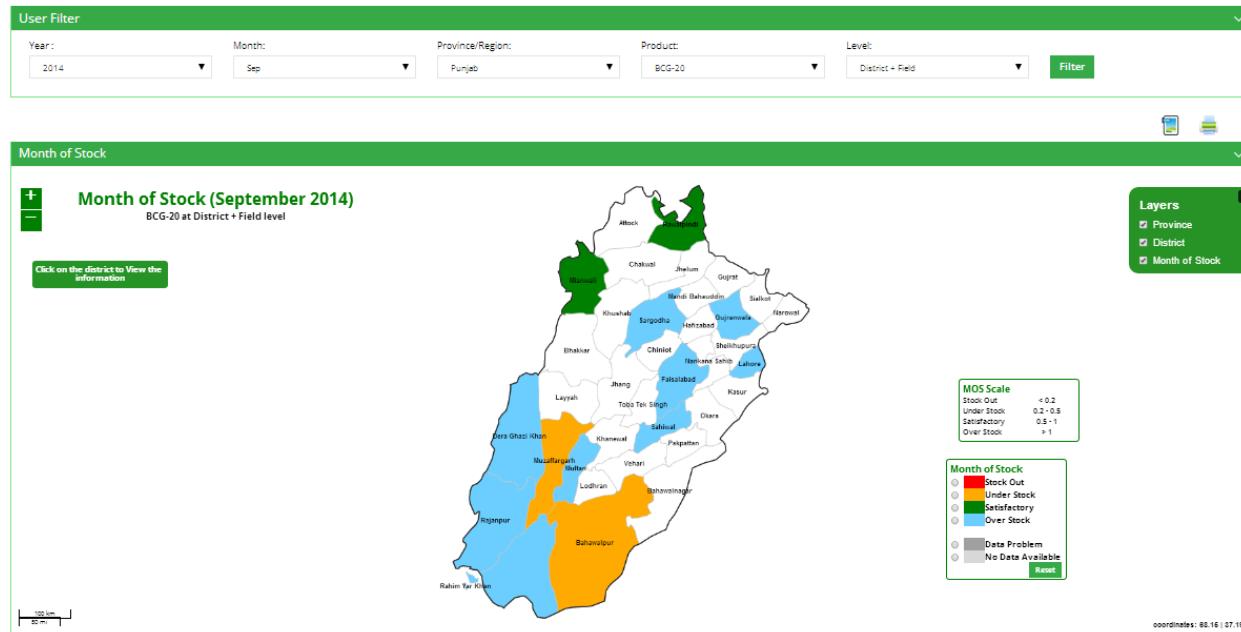
### **12.4.8.3 *Model: Geo***

- getColdchainCapacity ()

## 12.5 Screens

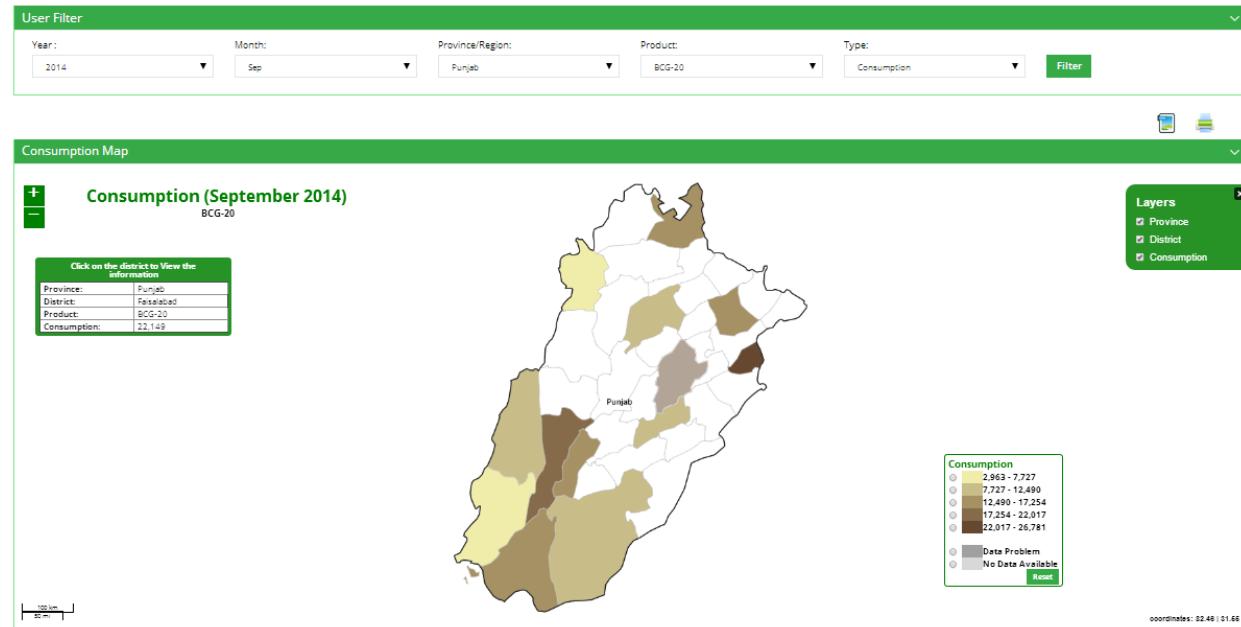
### Month of Stock

Month of Stock



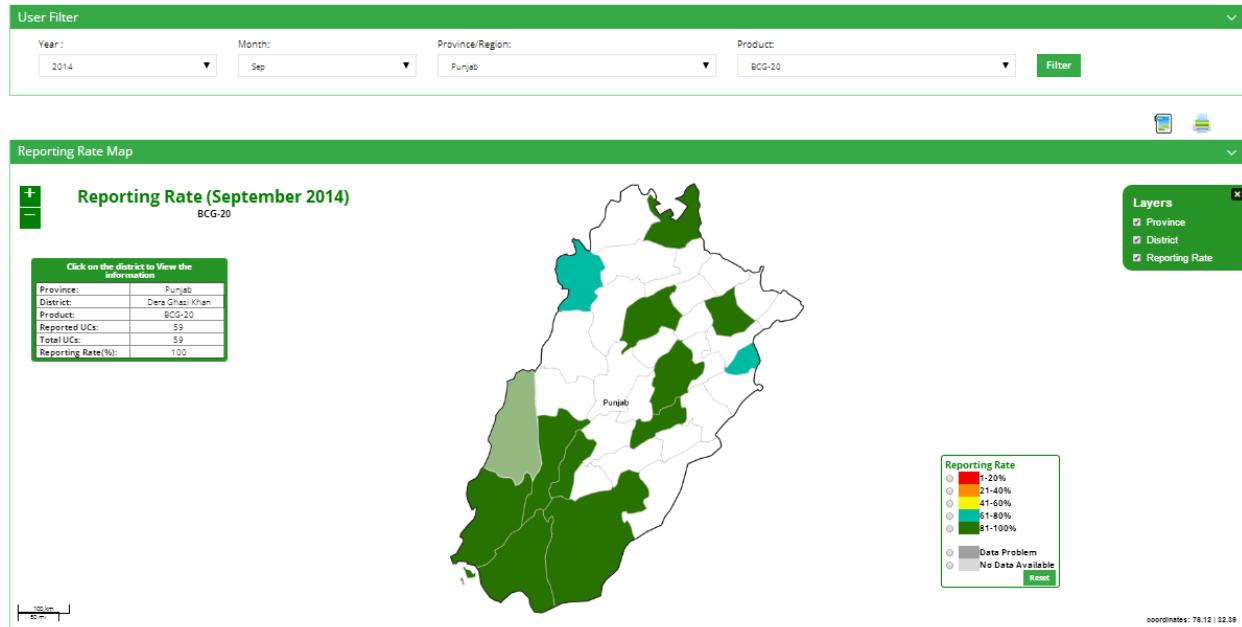
### Consumption

Consumption



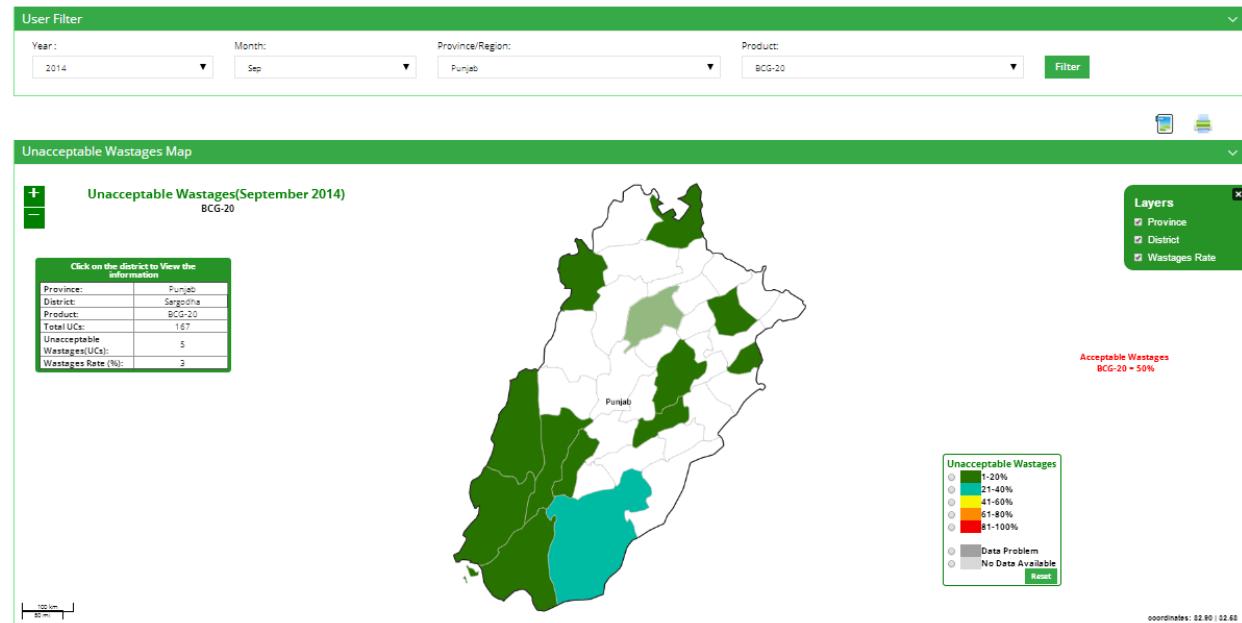
## Reporting Rate

Reporting Rate



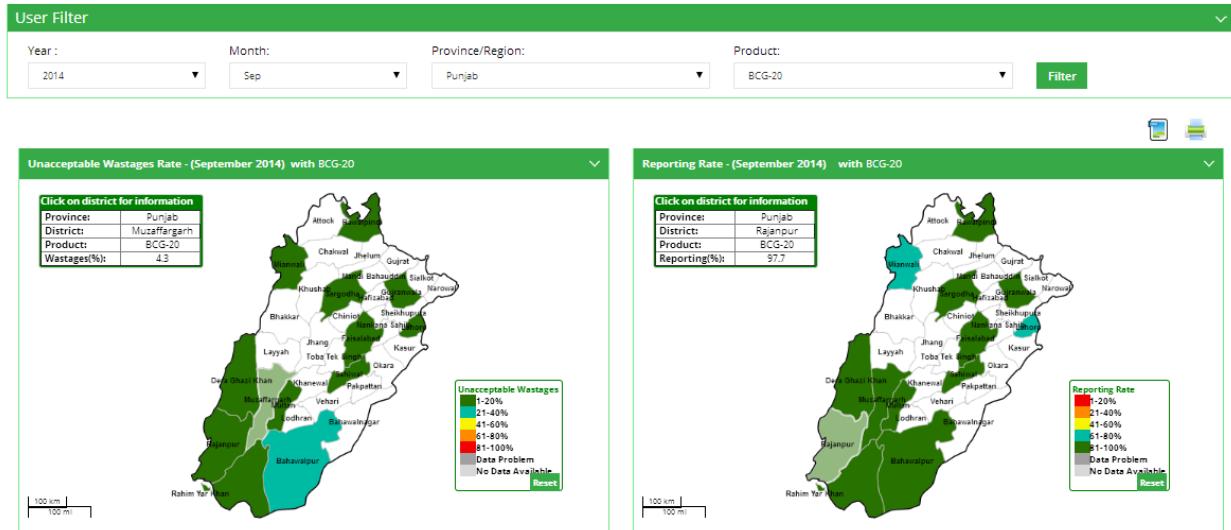
## Wastages

Wastages

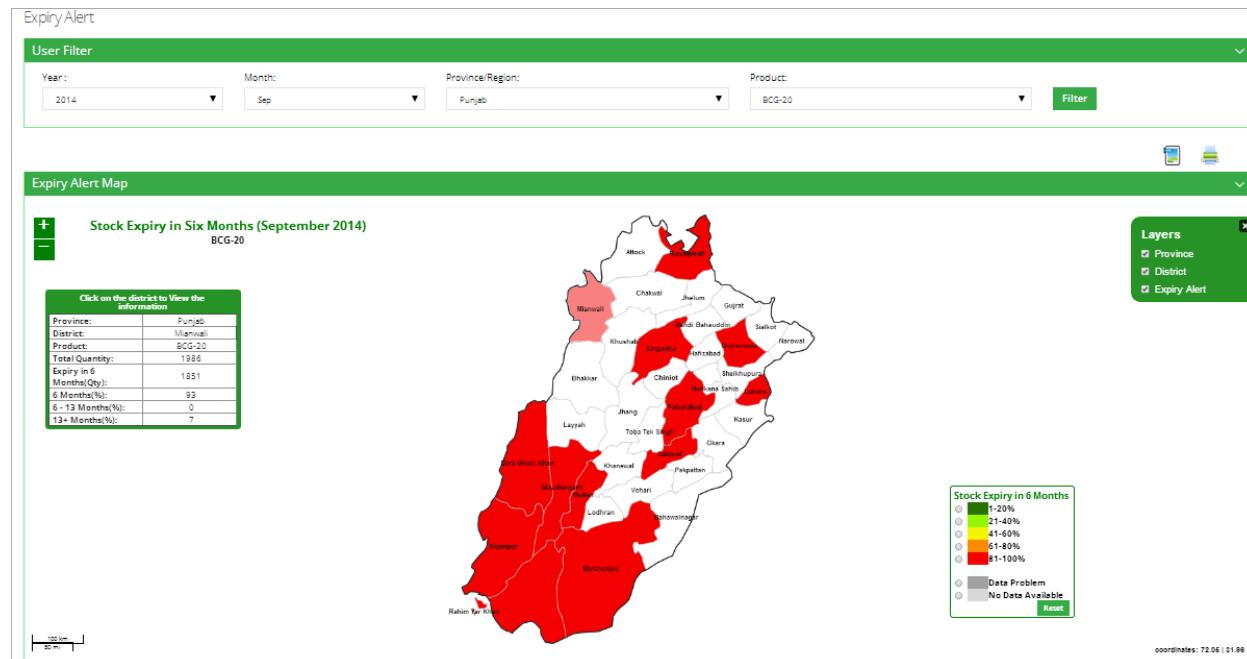


## Wastages Vs Reporting Rate

Wastages vs. Reporting Rate

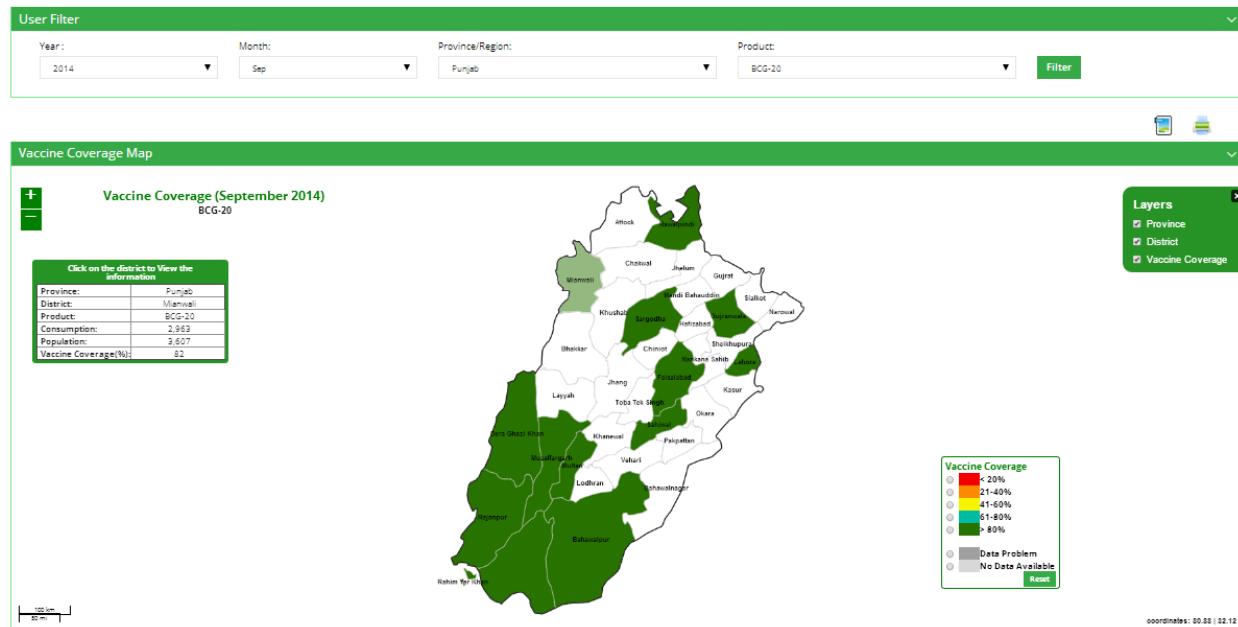


## Expiry Alert



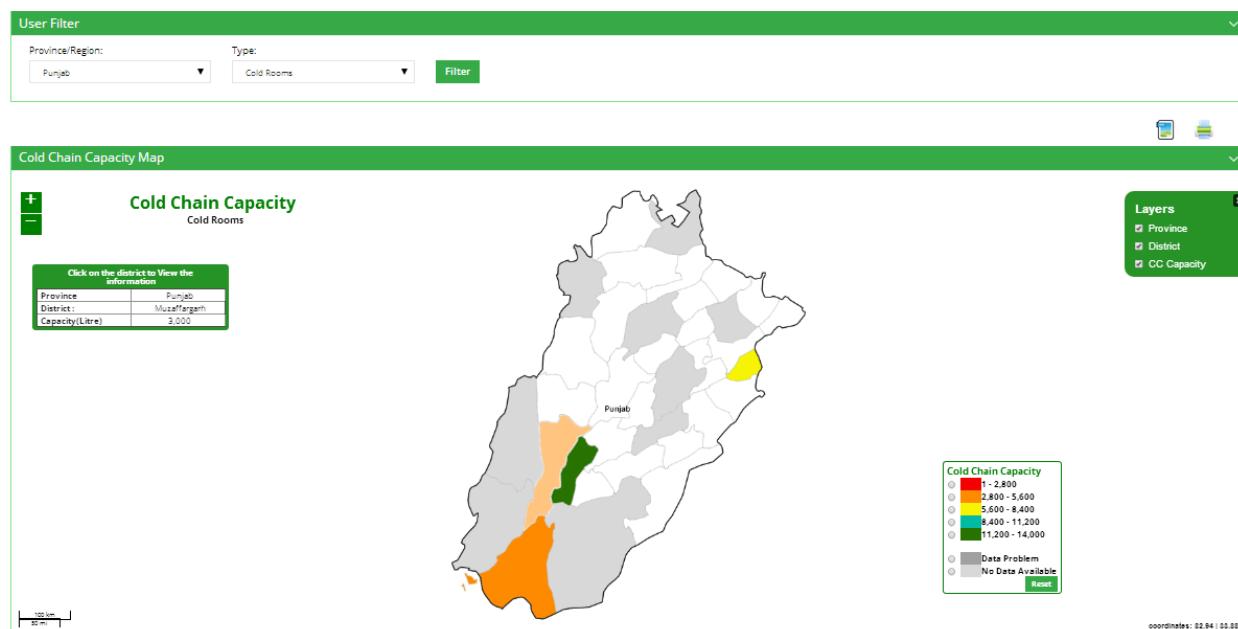
## Vaccine Coverage

### Vaccine Coverage



## Cold Chain Capacity

### Cold Chain Capacity



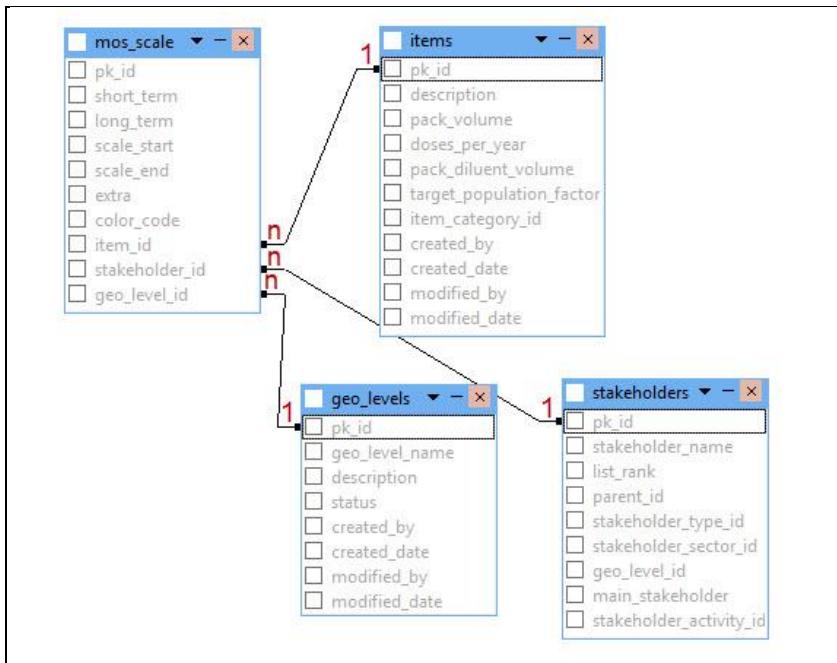
# **13. DASHBOARD REPORTS & GRAPH MANAGEMENT**

## **13.1 Table Definition**

Sr No.	Table Name	Definition
1.	reports	Maintain the data reports.
2.	report_options	Maintain the data report options.
2.	mos_scale	Maintain the month of stock.
4.	period	Maintain the months.
5.	summary_district	Maintain the summary.
6.	summary_national	Maintain the summary.
7.	summary_provincial	Maintain the summary.
8.	summary_tehsil	Maintain the summary.
9.	Summary_union_council	Maintain the summary.

## 13.2 Relationship Diagrams

### 13.2.1 Month of Stock



## 13.3 Tables

### 13.3.1 Table Name: reports

This table is used to manage the reports.

#### 13.3.1.1 *Table Properties:*

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
report_id	Specify the report id.	Varchar	50	No
report_group	Specify the report group.	Varchar	100	Yes
report_type	Can be graph or report.	Decimal	1	Yes
report_title	Specify the report title.	Varchar	50	Yes
report_xaxis	Specify the x-axis of the report.	Varchar	50	Yes
report_yaxis	Specify the y-axis of the report.	Varchar	50	Yes
report_units	Specify the units of the report.	Varchar	50	Yes
report_factor	Specify the factors of the report.	Decimal	8	Yes
report_field	Specify the fields of the report.	Varchar	100	Yes
report_description	Specify the report description.	Text	0	Yes
static_page	Specify the static page.	Varchar	100	Yes
footer_static_page	Specify the footer static page.	Varchar	100	Yes
report_order	Specify the report order.	Tinyint	1	Yes
report_show_simple	Specify if its a simple graph.	Tinyint	1	Yes
report_show_comparision	Specify if its the comparison graph.	Tinyint	1	Yes

### **13.3.2 Table Name: report\_options**

This table is used to manage the report options.

#### **13.3.2.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
report_id	Specify the report id.	Varchar	100	Yes
report_title_sql		Varchar	1000	Yes
report_data_sql		Varchar	1000	Yes
report_stakeholder	Indicates if config is for specific stakeholder or all stakeholders.	Tinyint	1	No
report_comparision	Comparision option id as in select box of graph parameter form.	Tinyint	1	Yes
report_data_position	Position of data returned from stored procedure.	Tinyint	1	Yes
report_comparision_flag	Indicates whether graph is simple or comparison type.	Tinyint	1	Yes

### **13.3.3 Table Name: mos\_scale**

This table is used to stock for month.

#### **13.3.3.1 Table Properties:**

Field Name	Description	Type	Length	Null
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
short_term		Varchar	5	Yes
long_term		varchar	30	Yes
scale_start	Specify the scale start.	Float	0	Yes
scale_end	Specify the scale end.	Float	0	Yes
extra		Varchar	10	Yes
color_code	Specify the color code.	Varchar	30	Yes
item_id	Specify the item ID.	Int	11	No
stakeholder_id	Specify the stakeholder ID.	Int	11	No
geo_level_id	Specify the geo level ID.	Int	11	No

### 13.3.3.2 Relationships:

Table Names	Fields	Referenced Database	Referenced Table	Referenced Fields	On Delete/On Update
mos_scale_items_fk1	item_id	r2	items	pk_id	RESTRICT
mos_scale_stakeholders_fk2	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
mos_scale_geo_levels_fk3	geo_level_id	r2	geo_levels	pk_id	RESTRICT

### 13.3.3.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
mos_scale_item_id_items_pk_id	item_id	Normal	BTREE
mos_scale_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
mos_scale_geo_level_id_geo_levels_pk_id	geo_level_id	Normal	BTREE

### **13.3.4 Table Name: period**

This table is used to store ....

#### **13.3.4.1 *Table Properties:***

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
period_code	Specify the period code. It is auto increment.	Text	0	Yes
period_name	Specify the period name.	Int	11	No
is_month	Specify if a particular period is month.	Text	0	Yes
begin_month	Specify the starting month of a period.	Int	11	Yes
end_month	Specify the ending month of a period.	Int	11	Yes
month_count	Specify the number of months in a period.	Int	11	Yes

### **13.3.5 Table Name: summary\_district**

This table is used to maintain summary regarding districts data.

#### **13.3.5.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
reporting_date	Specify the reporting date.	Datetime	0	Yes
consumption	Specify the consumption.	Double	0	Yes
average_consumption	Specify the average consumption.	Double	0	Yes
soh_store	Specify the stock on hand within the store.	Double	0	Yes
soh_level	Specify the level of stock on hand.	Double	0	Yes
wastages_percentage	Specify the percentage wastages.	Decimal	5	Yes
reporting_rate	Specify the reporting date.	Decimal	5	Yes
total_uc	Specify the total union council.	Int	11	Yes
item_id	Specify the item ID.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes
province_id	Specify the province ID.	Int	11	Yes
district_id	Specify the district ID.	Int	11	Yes

**13.3.5.2 Relationships:**

Table Names	Fields	Reference d Database	Reference d Table	Reference d Fields	On Delete/O n Update
summary_district_items_fk1	item_id	r2	items	pk_id	RESTRICT
summary_district_stakeholders_fk2	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
summary_district_locations_fk3	province_id	r2	locations	pk_id	RESTRICT
summary_district_locations_fk4	district_id	r2	locations	pk_id	RESTRICT

**13.3.5.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
summary_district_item_id_items_pk_id	item_id	Normal	BTREE
summary_district_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
summary_district_province_id_locations_pk_id	province_id	Normal	BTREE
summary_district_district_id_locations_pk_id	district_id	Normal	BTREE

### **13.3.6 Table Name: summary\_national**

This table is used to maintain summary regarding national data.

#### **13.3.6.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
reporting_date	Specify the reporting date.	Datetime	0	Yes
consumption	Specify the consumption.	Double	0	Yes
average_consumption	Specify the average consumption.	Double	0	Yes
soh_store	Specify the stock on hand within the store.	Double	0	Yes
soh_level	Specify the level of stock on hand.	Double	0	Yes
wastages_percentage	Specify the percentage wastages.	Decimal	5	Yes
reporting_rate	Specify the reporting date.	Decimal	5	Yes
total_uc	Specify the total union council.	Int	11	Yes
item_id	Specify the item ID.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes

**13.3.6.2 Relationships:**

Table Names	Fields	Reference d	Reference d Table	Reference d Fields	On Delete/O n Update
<b>Database</b>					
summary_national_items_fk1	item_id	r2	items	pk_id	RESTRICT
summary_national_stakeholders_fk2	stakeholder_id	r2	stakeholders	pk_id	RESTRICT

**13.3.6.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
summary_national_item_id_items_pk_id	item_id	Normal	BTREE
summary_national_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE

### **13.3.7 Table Name: summary\_provincial**

This table is used to maintain summary regarding provincial data.

#### **13.3.7.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
reporting_date	Specify the reporting date.	Datetime	0	Yes
consumption	Specify the consumption.	Double	0	Yes
average_consumption	Specify the average consumption.	Double	0	Yes
soh_store	Specify the stock on hand within the store.	Double	0	Yes
soh_level	Specify the level of stock on hand.	Double	0	Yes
wastages_percentage	Specify the percentage wastages.	Decimal	5	Yes
reporting_rate	Specify the reporting date.	Decimal	5	Yes
total_uc	Specify the total union council.	Int	11	Yes
item_id	Specify the item ID.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes
province_id	Specify the province ID.	Int	11	Yes

**13.3.7.2 Relationships:**

Table Names	Fields	Reference d	Reference d Table	Reference d Fields	On Delete/O n Update
<b>Database</b>					
summary_provincial_items_fk1	item_id	r2	items	pk_id	RESTRICT
summary_provincial_stakeholders_fk2	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
summary_provincial_locations_fk3	province_id	r2	locations	pk_id	RESTRICT

**13.3.7.3 Related Indexes:**

Table Names	Fields	Index Type	Index Method
summary_provincial_item_id_items_pk_id	item_id	Normal	BTREE
summary_provincial_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
summary_provincial_province_id_locations_pk_id	province_id	Normal	BTREE

### **13.3.8 Table Name: summary\_tehsil**

This table is used to maintain summary regarding tehsil data.

#### **13.3.8.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
reporting_date	Specify the reporting date.	Datetime	0	Yes
consumption	Specify the consumption.	Double	0	Yes
average_consumption	Specify the average consumption.	Double	0	Yes
soh_store	Specify the stock on hand within the store.	Double	0	Yes
soh_level	Specify the level of stock on hand.	Double	0	Yes
wastages_percentage	Specify the percentage wastages.	Decimal	5	Yes
reporting_rate	Specify the reporting date.	Decimal	5	Yes
total_uc	Specify the total union council.	Int	11	Yes
item_id	Specify the item ID.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes
province_id	Specify the province ID.	Int	11	Yes
district_id	Specify the district ID.	Int	11	Yes
tehsil_id	Specify the tehsil ID.	Int	11	Yes

### 13.3.8.2 Relationships:

Table Names	Fields	Reference d Database	Reference d Table	Reference d Fields	On Delete/O n Update
summary_tehsil_items_fk1	item_id	r2	items	pk_id	RESTRICT
summary_tehsil_stakeholders_fk2	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
summary_tehsil_locations_fk3	province_id	r2	locations	pk_id	RESTRICT
summary_tehsil_locations_fk4	district_id	r2	locations	pk_id	RESTRICT
summary_tehsil_locations_fk5	tehsil_id	R2	locations	pk_id	RESTRICT

### 13.3.8.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
summary_tehsil_item_id_items_pk_id	item_id	Normal	BTREE
summary_tehsil_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
summary_tehsil_province_id_locations_pk_id	province_id	Normal	BTREE
summary_tehsil_district_id_locations_pk_id	district_id	Normal	BTREE
summary_tehsil_tehsil_id_locations_pk_id	tehsil_id	Normal	BTREE

### **13.3.9 Table Name: summary\_union\_council**

This table is used to maintain summary regarding union council data.

#### **13.3.9.1 Table Properties:**

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
pk_id	Specify the unique ID. It is auto increment field.	Int	11	No
reporting_date	Specify the reporting date.	Datetime	0	Yes
consumption	Specify the consumption.	Double	0	Yes
average_consumption	Specify the average consumption.	Double	0	Yes
soh_store	Specify the stock on hand within the store.	Double	0	Yes
soh_level	Specify the level of stock on hand.	Double	0	Yes
wastages_percentage	Specify the percentage wastages.	Decimal	5	Yes
reporting_rate	Specify the reporting date.	Decimal	5	Yes
total_uc	Specify the total union council.	Int	11	Yes
item_id	Specify the item ID.	Int	11	Yes
stakeholder_id	Specify the stakeholder ID.	Int	11	Yes
province_id	Specify the province ID.	Int	11	Yes
district_id	Specify the district ID.	Int	11	Yes
tehsil_id	Specify the tehsil ID.	Int	11	Yes
union_council_id	Specify the union council ID.	Int	11	Yes

### 13.3.9.2 Relationships:

Table Names	Fields	Reference d Database	Reference d Table	Reference d Fields	On Delete/O n Update
summary_union_council_items_fk1	item_id	r2	items	pk_id	RESTRICT
summary_union_council_stakeholders_fk2	stakeholder_id	r2	stakeholders	pk_id	RESTRICT
summary_union_council_locations_fk3	province_id	r2	locations	pk_id	RESTRICT
summary_union_council_locations_fk4	district_id	r2	locations	pk_id	RESTRICT
summary_union_council_locations_fk5	tehsil_id	R2	locations	pk_id	RESTRICT
summary_union_council_locations_fk6	union_council_id	R2	locations	pk_id	RESTRICT

### 13.3.9.3 Related Indexes:

Table Names	Fields	Index Type	Index Method
summary_union_council_item_id_items_pk_id	item_id	Normal	BTREE
summary_union_council_stakeholder_id_stakeholders_pk_id	stakeholder_id	Normal	BTREE
summary_union_council_province_id_locations_pk_id	province_id	Normal	BTREE
summary_union_council_district_id_locations_pk_id	district_id	Normal	BTREE
summary_union_council_tehsil_id_locations_pk_id	tehsil_id	Normal	BTREE
summary_union_council_union_council_id	union_council_id	Normal	BTREE

_locations_pk_id			
------------------	--	--	--

## 13.4 Dashboard Models & Controllers

### 13.4.1 Dashboard (National Level)

#### 13.4.1.1 Controller: Dashboard

- index()

#### 13.4.1.2 Model: Locations

- getLocationsByLevelByProvince ()
- districtLocations()
- getProvincesName()

#### 13.4.1.3 Model: Campaigns

- getAllCampaigns ()
- getCampaignsByDistrict()

#### 13.4.1.4 Model: ItemPackSizes

- getAllVaccines ()

#### 13.4.1.5 Model: RoleResources

- getRoleResourcesByType()

#### 13.4.1.6 Model: Period

- getTimeIntervals()

#### 13.4.1.7 Model: StockMaster

- getPendingReceive ()

#### 13.4.1.8 Controller: Dashlet

- reportedWastages()
- consumptionAmc()
- consumptionMos()
- monthOfStock()
- expirySchedule()
- CcCapacity()
- vaccineStorageCapacityAt20()
- vaccineStorageCapacityAt2to8()
- icepackFreezingCapacityAgainstRoutineRequirements()
- dataEntryStatus()
- dayWiseCoverage()
- differentMissedTypes()
- campaignVaccines()

13.4.1.9 ***Model: ItemPackSizes***

- getAllItems ()

13.4.1.10 ***Model: Locations***

- getPilotProvinces()
- getProvincesName()

13.4.1.11 ***Model: Graphs***

- MSGraphReportedWastage()
- MSGraphOptionYear()
- getMSGraphConsMOS()

13.4.1.12 ***Model: WarehousesData***

- getWastagesByDistricts ()
- wastagesRate()
- reportingRate()
- getExpirySchedule()
- getExpiryScheduleByType()
- dataEntryStatus()
- dayWiseCoverage()
- differentMissedTypes()

13.4.1.13 ***Model: CcmWarehouses***

- vaccineStorageCapacityAt20Graph ()
- vaccineStorageCapacityAt2to8Graph()
- icepackFreezingCapacityAgainstSIARequirementsGraph()

13.4.1.14 ***Moel: Campaign***

- getAllCampaigns ()

13.4.1.15 ***Moel: Dashlets***

- campaignVaccines()

## **13.4.2 Dashboard (Provincial Level)**

### **13.4.2.1 Controller: Dashboard**

- index()

### **13.4.2.2 Model: Locations**

- getLocationsByLevelByProvince ()
- districtLocations()
- getProvincesName()

### **13.4.2.3 Model: Campaigns**

- getAllCampaigns ()
- getCampaignsByDistrict()

### **13.4.2.4 Model: ItemPackSizes**

- getAllVaccines ()

### **13.4.2.5 Model: RoleResources**

- getRoleResourcesByType()

### **13.4.2.6 Model: Period**

- getTimeIntervals()

### **13.4.2.7 Model: StockMaster**

- getPendingReceive ()

### **13.4.2.8 Controller: Dashlet**

- illegalWastages()
- reportedNonReportedProvince()
- getMos()
- getConsumption()
- stockStatusByItem()
- VvmStageStatus()
- stockStatus()
- monthOfStock()
- expirySchedule()
- ccCapacity()
- vaccineStorageCapacityAt20()
- vaccineStorageCapacityAt2to8()
- icepackFreezingCapacityAgainstRoutineRequirements()
- dataEntryStatus()
- dayWiseCoverage()
- differentMissedTypes()

- campaignVaccines()

#### 13.4.2.9 ***Model: ItemPackSizes***

- getWastageRateAllowed()
- getAllItems ()

#### 13.4.2.10 ***Model: Locations***

- getPilotProvinces()
- getProvincesName()
- getLocationsByLevelByTehsil()

#### 13.4.2.11 ***Model: Graphs***

- MSGraphReportedWastage()
- MSGraphOptionYear()
- getMSGraphConsMOS()

#### 13.4.2.12 ***Model: WarehousesData***

- illegalWastages()
- reportedNonReportedByProvince()
- getReportedLocationProvince()
- getMOS()
- getMOSByDistricts()
- getMOSByUc()
- getConsumption()
- getConsumptionByDistricts()
- getConsumptionByUc()
- stockStatusByItem()
- getReceiveWarehouses()
- vvmStageStatus()
- vvmStageStatusByVvmStage()
- getWastagesByDistricts ()
- wastagesRate()
- reportingRate()
- getExpirySchedule()
- getExpiryScheduleByType()
- dataEntryStatus()
- dayWiseCoverage()
- differentMissedTypes()

#### 13.4.2.13 ***Model: MosScale***

- getMosScaleByItem()

13.4.2.14        ***Model: CcmWarehouses***

- vaccineStorageCapacityAt20Graph ()
- vaccineStorageCapacityAt2to8Graph()
- icepackFreezingCapacityAgainstSIARequirementsGraph()

13.4.2.15        ***Moel: Campaign***

- getAllCampaigns ()

13.4.2.16        ***Moel: Dashlets***

- campaignVaccines()
- stockStatus()

13.4.2.17        ***Moel: Warehouses***

- getWarehouseByLevel()

### **13.4.3 Dashboard (District Level)**

#### **13.4.3.1 Controller: Dashboard**

- index()

#### **13.4.3.2 Model: Locations**

- getLocationsByLevelByProvince()
- districtLocations()
- getProvincesName()

#### **13.4.3.3 Model: Campaigns**

- getAllCampaigns()
- getCampaignsByDistrict()

#### **13.4.3.4 Model: ItemPackSizes**

- getAllVaccines()

#### **13.4.3.5 Model: RoleResources**

- getRoleResourcesByType()

#### **13.4.3.6 Model: Period**

- getTimeIntervals()

#### **13.4.3.7 Model: StockMaster**

- getPendingReceive()

#### **13.4.3.8 Controller: Dashlet**

- wastagesComparison()
- reportedNonReported()
- getMos()
- getConsumption()
- stockStatusByItem()
- vvmStageStatus()
- stockStatus()
- monthOfStock()
- expirySchedule()
- ccCapacity()
- vaccineStorageCapacityAt20()
- vaccineStorageCapacityAt2to8()
- icepackFreezingCapacityAgainstRoutineRequirements()
- dataEntryStatus()
- dayWiseCoverage()
- differentMissedTypes()

- campaignVaccines()

#### 13.4.3.9 ***Model: ItemPackSizes***

- getAllVaccines()
- getAllItems()

#### 13.4.3.10 ***Model: Locations***

- getLocationsByLevelByProvince()
- districtLocations()
- getProvincesName()
- getLocationsByLevelByTehsil()

#### 13.4.3.11 ***Model: Graphs***

#### 13.4.3.12 ***Model: WarehousesData***

- wastagesComparison()
- reportedNonReported()
- getReportedLocation()
- getMOS()
- getMOSByDistricts()
- getMOSByUc()
- getConsumption()
- getConsumptionByDistricts()
- getConsumptionByUc()
- stockStatusByItem()
- getReceiveWarehouses()
- vvmStageStatus()
- vvmStageStatusByVvmStage()
- getExpirySchedule()
- getExpiryScheduleByType()
- dataEntryStatus()
- dayWiseCoverage()
- differentMissedTypes()

#### 13.4.3.13 ***Model: MosScale***

- getMosScaleByItem()

#### 13.4.3.14 ***Model: CcmWarehouses***

- vaccineStorageCapacityAt20Graph()
- vaccineStorageCapacityAt2to8Graph()
- icepackFreezingCapacityAgainstSIARequirementsGraph()

13.4.3.15        ***Model: Campaign***

- getAllCampaigns()
- getCampaignsByDistrict()
- getAllCampaigns()

13.4.3.16        ***Model: Dashlets***

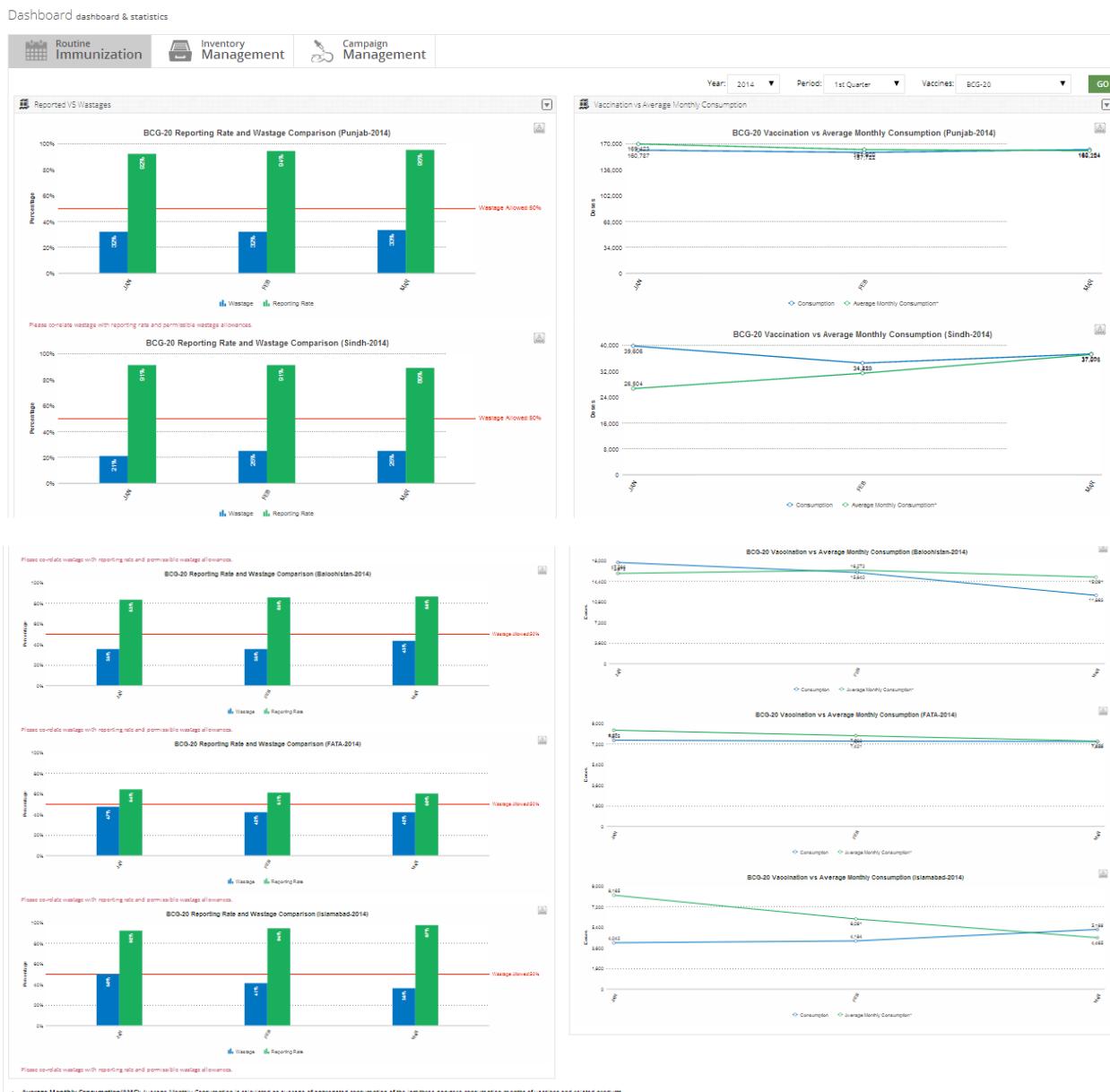
- stockStatus()

13.4.3.17        ***Model: Warehouses***

- getWarehouseByLevel()

## 13.5 Screens

### Dashboard – National Level



## Dashboard – Provincial Level



## Dashboard – District Level



## **13.6 Reports Models & Controllers**

Inventory Reports

### **13.6.1 Summary Reports (National Report)**

#### **13.6.1.1 Controller: InventoryManagement**

- nationalReport()

#### **13.6.1.2 Moel: Stakeholders**

- nationalReport()

#### **13.6.1.3 Moel: Locations**

- nationReport ()

## **13.6.2 Summary Reports (Provincial Report)**

### **13.6.2.1 Controller: InventoryManagement**

- provincialReport ()

### **13.6.2.2 Moel: ItemPackSizes**

- productsReport ()
- getProductName()

### **13.6.2.3 Moel: Stakeholders**

- nationReport ()

### **13.6.2.4 Moel: Locations**

- devisionalReport()

### **13.6.3 Summary Reports (District Report)**

#### **13.6.3.1 *Controller: InventoryManagement***

- districtReport ()

#### **13.6.3.2 *Moel: ItemPackSizes***

- productsReport ()
- getProductName()

#### **13.6.3.3 *Moel: Stakeholders***

- nationReport ()

#### **13.6.3.4 *Moel: Locations***

- devisionalReport()
- districtLocations()
- getLocationName()

## **13.6.4 Summary Reports (Tehsil Report)**

### **13.6.4.1 Controller: InventoryManagement**

- tehsilReport ()
- prov2dist()

### **13.6.4.2 Moel: ItemPackSizes**

- productsReport ()
- getProductName()

### **13.6.4.3 Moel: Stakeholders**

- nationReport ()

### **13.6.4.4 Moel: Locations**

- devisionalReport()
- tehsilLocations()
- getLocationsByLevelByProvince()
- districtLocations()
- getLocationName()
- getLocationsByLevelByDistrict()
- getLocationsByLevelByProvince()
- getLocationsByLevelByTehsil()
- getLocationsByLevelByDistrict()

## **13.6.5 Summary Reports (UC Report)**

### **13.6.5.1 Controller: InventoryManagement**

- ucReport ()
- prov2dist()

### **13.6.5.2 Moel: ItemPackSizes**

- productsReport ()
- getProductName()

### **13.6.5.3 Moel: Stakeholders**

- getStakholder
- nationReport ()

### **13.6.5.4 Moel: Locations**

- devisionalReport()
- ucLocations()
- districtLocations()
- getLocationName()
- getLocationsByLevelByDistrict()
- getLocationsByLevelByProvince()
- getLocationsByLevelByTehsil()
- getLocationsByLevelByDistrict()

## **13.6.6 Summary Reports (Stock Availability Report)**

### **13.6.6.1 *Controller: InventoryManagement***

- stockAvailabilityReport ()

### **13.6.6.2 *Moel: ItemPackSizes***

- productsReport ()
- getProductName()

### **13.6.6.3 *Moel: Locations***

- devisionalReport()
- getLocationName()

### **13.6.6.4 *Moel: WarehousesData***

- generateStockAvailabilityReport ()

### **13.6.6.5 *Moel: Stakeholders***

- getStakeholderName()

## **13.6.7 Yearly Reports (Provincial Yearly Report)**

### **13.6.7.1 Controller: InventoryManagement**

- provincialYearlyReport ()

### **13.6.7.2 Moel: ItemPackSizes**

- productsReport ()

### **13.6.7.3 Moel: Locations**

- getLocationName()

## **13.6.8 Yearly Reports (Districts Report)**

### **13.6.8.1 *Controller: InventoryManagement***

- districtsYearlyReport ()

### **13.6.8.2 *Moel: ItemPackSizes***

- productsReport ()
- getProductName()

### **13.6.8.3 *Moel: Locations***

- getLocations()
- getLocationName()
- devisionalReport()

### **13.6.8.4 *Moel: Stakeholders***

- nationReport()

## **13.6.9 Yearly Reports (Reporting and Wastages Report)**

### **13.6.9.1 *Controller: InventoryManagement***

- wastagesReport ()

### **13.6.9.2 *Moel: ItemPackSizes***

- productsReport ()

### **13.6.9.3 *Moel: Locations***

- getLocationWastages ()

### **13.6.9.4 *Moel: Stakeholders***

- nationReport()
- devisionalReport()

## **13.6.10        Yearly Reports (Shipment Report)**

### **13.6.10.1        *Controller: InventoryManagement***

- shipmentReport ()
- ajaxCombos()

### **13.6.10.2        *Moel: Stakeholders***

- nationReport()

### **13.6.11        Monthly Provincial Reports (AMC)**

#### **13.6.11.1        *Controller: InventoryManagement***

- amc()

#### **13.6.11.2        *Moel: ItemPackSizes***

- productsReport()
- stockOnHandItems()

#### **13.6.11.3        *Moel: Locations***

- getProvincesName()
- nationalReport()

#### **13.6.11.4        *Moel: Stakeholders***

- nationReport()

## **13.6.12        Monthly Provincial Reports (Month of Stock)**

### **13.6.12.1        *Controller: InventoryManagement***

- monthOfStock ()

### **13.6.12.2        *Moel: ItemPackSizes***

- productsReport()
- stockOnHandItems()

### **13.6.12.3        *Moel: Locations***

- getProvincesName()
- nationalReport()

### **13.6.12.4        *Moel: Stakeholders***

- nationReport()

### **13.6.13        Monthly Provincial Reports (Consumption)**

#### **13.6.13.1        *Controller: InventoryManagement***

- consumption()

#### **13.6.13.2        *Moel: ItemPackSizes***

- productsReport()
- stockOnHandItems()

#### **13.6.13.3        *Moel: Locations***

- getProvincesName()
- nationalReport()

#### **13.6.13.4        *Moel: Stakeholders***

- nationReport()

## **13.6.14        Monthly Provincial Reports (Stock on Hand)**

### **13.6.14.1        *Controller: InventoryManagement***

- stockOnHand()

### **13.6.14.2        *Moel: ItemPackSizes***

- productsReport()
- stockOnHandItems()

### **13.6.14.3        *Moel: Locations***

- getProvincesName()
- nationalReport()

### **13.6.14.4        *Moel: Stakeholders***

- nationReport()

## **13.6.15 Data Performance (Shipment Report)**

### **13.6.15.1 Controller: InventoryManagement**

- shipmentReport()
- ajaxCombos()

### **13.6.15.2 Moel: ItemPackSizes**

- productsReport()

### **13.6.15.3 Moel: Locations**

- nationalReport()

### **13.6.15.4 Moel: Stakeholders**

- nationReport

## **13.6.16 Data Performance (Reported Provinces)**

### **13.6.16.1 Controller: InventoryManagement**

- reportedProvinces ()

### **13.6.16.2 Moel: ItemPackSizes**

- productsReport()

### **13.6.16.3 Moel: Locations**

- getProvincesName
- getLocationName()
- nationalReport()

### **13.6.16.4 Moel: Stakeholders**

- nationReport()

## **13.6.17        Data Performance (Non Reported Districts)**

### **13.6.17.1        *Controller: InventoryManagement***

- nonReportedDistrictsByFacility ()
- prov2dist()

### **13.6.17.2        *Moel: ItemPackSizes***

- productsReport()

### **13.6.17.3        *Moel: Locations***

- districtLocations
- devisionalReport ()
- getLocationName()
- getLocationsByLevelByProvince()
- getLocationsByLevelByDistrict()
- getLocationsByLevelByTehsil()
- getLocationsByLevelByDistrict()

### **13.6.17.4        *Moel: Stakeholders***

- nationReport()

## **13.6.18 Data Performance (Non Reported Districts ->By Facility)**

### **13.6.18.1 *Controller: InventoryManagement***

- nonReportedDistrictsByFacility()
- prov2dist()

### **13.6.18.2 *Moel: ItemPackSizes***

- productsReport()

### **13.6.18.3 *Moel: Locations***

- districtLocations()
- devisionalReport ()
- getLocationName()
- getLocationsByLevelByProvince()

### **13.6.18.4 *Moel: Stakeholders***

- nationReport()

## **13.6.19 Data Performance (Non Reported Districts ->By UC)**

### **13.6.19.1 *Controller: InventoryManagement***

- nonReportedDistrictsByUc ()
- prov2dist()

### **13.6.19.2 *Moel: ItemPackSizes***

- productsReport()

### **13.6.19.3 *Moel: Locations***

- districtLocations()
- devisionalReport ()
- getLocationName()
- getLocationsByLevelByProvince()
- getLocationsByLevelByDistrict()
- getLocationsByLevelByTehsil()
- getLocationsByLevelByDistrict()

### **13.6.19.4 *Moel: Stakeholders***

- nationReport()

## **13.6.20 Data Performance (Reported Districts ->By UC)**

### **13.6.20.1 Controller: InventoryManagement**

- reportedDistrictsByUc ()

### **13.6.20.2 Moel: ItemPackSizes**

- productsReport()

### **13.6.20.3 Moel: Locations**

- districtLocations()
- devisionalReport ()

### **13.6.20.4 Moel: Stakeholders**

- nationReport()

## **13.6.21 Data Performance (Reported Districts ->By User)**

### **13.6.21.1 Controller: InventoryManagement**

- reportedDistrictsByUser()

### **13.6.21.2 Moel: ItemPackSizes**

- productsReport()

### **13.6.21.3 Moel: Locations**

- districtLocations()
- devisionalReport ()

### **13.6.21.4 Moel: Stakeholders**

- nationReport()

## **13.6.22 Data Performance (Reported Districts ->By Facility)**

### **13.6.22.1 *Controller: InventoryManagement***

- reportedDistrictsByFacility()

### **13.6.22.2 *Moel: ItemPackSizes***

- productsReport()

### **13.6.22.3 *Moel: Locations***

- districtLocations()
- devisionalReport ()
- getLocationName()
- getLocationsByLevelByProvince()

### **13.6.22.4 *Moel: Stakeholders***

- nationReport()

## **13.6.23        Other (Federal Provincial Warehouse)**

### **13.6.23.1        *Controller: InventoryManagement***

- centralProvincialWarehouse ()
- provinceToWarehouse()

### **13.6.23.2        *Moel: ItemPackSizes***

- productsReport()

### **13.6.23.3        *Moel: Locations***

- nationalReport ()
- getProvinceToWarehouse()

### **13.6.23.4        *Moel: Stakeholders***

- nationReport()

## Campaign Reports

### **13.6.24        Campaign Summary (Coverage)**

#### 13.6.24.1        *Controller: Campaign*

- coverageReport()

#### 13.6.24.2        *Moel: CampaignData*

- getCoverageReport()

### **13.6.25        Campaign Detail (Coverage)**

#### 13.6.25.1        *Controller: Campaign*

- campaignDetail()

#### 13.6.25.2        *Moel: CampaignData*

- getCampaignDetail()

#### 13.6.25.3        *Controller: Index*

- locationsCombosTwo()

#### 13.6.25.4        *Model: Locations*

- districtLocations ()

## **13.6.26            Catch Up**

### **13.6.26.1        *Controller: Campaign***

- coverageCatchUp()

### **13.6.26.2        *Moel: CampaignData***

- getCoverageCatchUp ()

### **13.6.26.3        *Controller: Index***

- locationsCombosTwo()

### **13.6.26.4        *Model: Locations***

- districtLocations ()

## **13.6.27        *Coverage Missed Children***

### **13.6.27.1        *Controller: Campaign***

- coverageMissedChildren()
- ajaxGetCampaigns()

### **13.6.27.2        *Moel: CampaignData***

- getCoverageMissedChildren ()

### **13.6.27.3        *Moel: Campaigns***

- getAllCampaigns()
- getCampaignsByProvince()
- getCampaignsByDistrictReports()

### **13.6.27.4        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.27.5        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.27.6        *Model: Locations***

- getLocationsByLevel()

## **13.6.28        Status of NIDs**

### **13.6.28.1        *Controller: Campaign***

- statusNids()
- ajaxGetCampaigns()

### **13.6.28.2        *Moel: CampaignData***

- getStatusNidsReport ()

### **13.6.28.3        *Moel: Campaigns***

- getAllCampaigns()
- getCampaignsByProvince()

### **13.6.28.4        *Controller: Index***

- allLevelCombosOne()

### **13.6.28.5        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.28.6        *Model: Locations***

- getLocationsByLevel()

## **13.6.29        Vaccine Utilization and Wastage**

### **13.6.29.1        *Controller: Campaign***

- vaccineUtilizationAndWastage()

### **13.6.29.2        *Moel: CampaignData***

- getVaccineUtilizationAndWastage ()

## CCEM Reports

### **13.6.30 Storage (Capacity at +2c to +8c)**

#### 13.6.30.1 *Controller: Ccem*

- vaccineStorageCapacityAt2To8()

#### 13.6.30.2 *Model: CcmWarehouses*

- vaccineStorageCapacityAt2to8Report ()

#### 13.6.30.3 *Controller: Index*

- allLevelCombosOne()

#### 13.6.30.4 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()

#### 13.6.30.5 *Model: Locations*

- getLocationsByLevel()

### **13.6.31            Storage (Capacity at -20c)**

#### **13.6.31.1        *Controller: Ccem***

- vaccineStorageCapacityAt20 ()

#### **13.6.31.2        *Moel: CcmWarehouses***

- vaccineStorageCapacityAt20Report ()

#### **13.6.31.3        *Controller: Index***

- allLevelCombosOne()

#### **13.6.31.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

#### **13.6.31.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.32 Storage (Coldbox And Vaccine Carrier Capacity)**

### **13.6.32.1 *Controller: Ccem***

- coldboxAndVaccineCarrierCapacityByFacility()

### **13.6.32.2 *Model: CcmModels***

- coldboxAndVaccineCarrierCapacityByFacility ()

### **13.6.32.3 *Controller: Index***

- allLevelCombosOne()

### **13.6.32.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.32.5 *Model: Locations***

- getLocationsByLevel()

### **13.6.33 Storage (Capacity Shortages +4C)**

#### **13.6.33.1 Controller: Ccem**

- storageCapacityByArea4c ()

#### **13.6.33.2 Model: CcmWarehouses**

- getStorageCapacityByArea4c ()

#### **13.6.33.3 Controller: Index**

- allLevelCombosOne()
- allLevelCombosTwo()

#### **13.6.33.4 Model: Warehouses**

- getFederalWarehouses()
- getIHRWarehouses()

#### **13.6.33.5 Model: Locations**

- getLocationsByLevel()

### **13.6.34 Storage (Capacity Shortages -20C)**

#### **13.6.34.1 *Controller: Ccem***

- storageCapacityByArea20c ()

#### **13.6.34.2 *Moel: CcmWarehouses***

- getStorageCapacityByArea20c ()

#### **13.6.34.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

#### **13.6.34.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

#### **13.6.34.5 *Model: Locations***

- getLocationsByLevel()

## **13.6.35        *Inventory (All Cold Chain Equipment)***

### **13.6.35.1      *Controller: Ccem***

- inventoryListOfAllColdChainEquipmentByFacility ()

### **13.6.35.2      *Moel: ColdChain***

- getAllNonQuantityRefAsets()
- getAllNonQuantityColdRoomAsets()
- getAllNonQuantityColdBoxAsets()
- getAllNonQuantityIcePackAsets()
- getAllNonQuantityVoltageRegulatorAsets()
- getAllNonQuantityGeneratorAsets()

### **13.6.35.3      *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.35.4      *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.35.5      *Model: Locations***

- getLocationsByLevel()

### **13.6.36            Refrigerators Freezer (All Cold Chain Equipment)**

#### **13.6.36.1        *Controller: Ccem***

- refrigeratorByWorkingStatusFTypeArea()

#### **13.6.36.2        *Model: CcmWarehouses***

- refrigeratorByWorkingStatusFTypeArea ()

#### **13.6.36.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

#### **13.6.36.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

#### **13.6.36.5        *Model: Locations***

- getLocationsByLevel()

### **13.6.37            Refrigerators Freezer (Refrigerator/Freezers Models By Working Status)**

#### **13.6.37.1        *Controller: Ccem***

- refrigeratorModelsByWorkingStatus ()

#### **13.6.37.2        *Moel: CcmModels***

- refrigeratorModelsByWorkingStatusReport ()

#### **13.6.37.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

#### **13.6.37.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

#### **13.6.37.5        *Model: Locations***

- getLocationsByLevel()

### **13.6.38            Refrigerators Freezer (Refrigerator/Freezers Models By Age Group)**

#### **13.6.38.1        *Controller: Ccem***

- refrigeratorModelsByAgeGroup ()

#### **13.6.38.2        *Moel: CcmModels***

- getRefrigeratorModelsByAgeGroupReport ()

#### **13.6.38.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

#### **13.6.38.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

#### **13.6.38.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.39            Refrigerators Freezer (Refrigerator/Freezers Utilization)**

### **13.6.39.1        *Controller: Ccem***

- refrigeratorFreezersUtilization ()

### **13.6.39.2        *Moel: CcmModels***

- refrigeratorFreezersUtilizationReport ()

### **13.6.39.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.39.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.39.5        *Model: Locations***

- getLocationsByLevel()

**13.6.40            Refrigerators Freezer (Distribution Of Refrigerator/Freezers By Model & Facility Type)**

13.6.40.1        ***Controller: Ccem***

- distributionRefrigeratorByModelByFType ()

13.6.40.2        ***Moel: ColdChain***

- getColdchainModelsByFacilityType()
- getColdChainByWarehouseType()

13.6.40.3        ***Moel: Warehouses***

- getWarehouseByAssetType()

13.6.40.4        ***Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

13.6.40.5        ***Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

13.6.40.6        ***Model: Locations***

- getLocationsByLevel()

## **13.6.41            Refrigerators Freezer (Distribution Of CFC- Free Equipment By Facility Type)**

### **13.6.41.1        *Controller: Ccem***

- distributionCfcFreeEquipmentByFType ()

### **13.6.41.2        *Moel: CcmModels***

- distributionCFCFreeEquipmentByFType ()

### **13.6.41.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.41.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.41.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.42            Refrigerators Freezer (Refrigerators/Freezers Not Working Or Needs Service)**

### **13.6.42.1        *Controller: Ccem***

- lineListOfEquipmentWithWorkingStatus ()

### **13.6.42.2        *Moel: CcmModels***

- lineListOfEquipmentWithWorkingStatus()

### **13.6.42.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.42.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.42.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.43            Refrigerators Freezer (Refrigerators/Freezers Not In Use)**

### **13.6.43.1        *Controller: Ccem***

- lineListOfEquipmentWithEquipmentUtilization ()

### **13.6.43.2        *Moel: CcmModels***

- lineListOfEquipmentWithEquipmentUtilization()

### **13.6.43.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.43.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.43.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.44        Cold Rooms (4 and -20 By Model And Working Status)**

### **13.6.44.1        *Controller: Ccem***

- coldRooms4to20ByModelAndWorkingStatus ()

### **13.6.44.2        *Moel: CcmModels***

- coldRooms4to20ByModelAndWorkingStatus ()

### **13.6.44.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.44.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.44.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.45        Cold Rooms (Cold Room Facilities And Working Status)**

### **13.6.45.1        *Controller: Ccem***

- listingOfColdRoomFacilitiesAndWorkingStatus ()

### **13.6.45.2        *Moel: CcmModels***

- listingOfColdRoomFacilitiesAndWorkingStatus ()

### **13.6.45.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.45.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.45.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.46        *Cold Boxes (Cold Box And Vaccine Carriers By Working Status)***

### **13.6.46.1        *Controller: Ccem***

- coldboxAndVaccineCarriersByWorkingStatus ()

### **13.6.46.2        *Model: CcmModels***

- coldboxAndVaccineCarriersByWorkingStatusReport ()

### **13.6.46.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.46.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.46.5        *Model: Locations***

- getLocationsByLevel()

## **13.6.47            Cold Boxes (Cold Boxes/Carriers Quantity)**

### **13.6.47.1        *Controller: Ccem***

- quantityOfColdBoxesCarriers ()

### **13.6.47.2        *Moel: CcmModels***

- quantityOfColdBoxesCarriersReport ()

### **13.6.47.3        *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.6.47.4        *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.6.47.5        *Model: Locations***

- getLocationsByLevel()

**13.6.48 Generators and Stabilizers (Standby Generators By Facility Type And Working Status)**

13.6.48.1 ***Controller: Ccem***

- `standbyGeneratorsByFacilityTypeAndWorkingStatus ()`

13.6.48.2 ***Moel: CcmModels***

- `standbyGeneratorsByFacilityTypeAndWorkingStatusReport ()`

13.6.48.3 ***Controller: Index***

- `allLevelCombosOne()`
- `allLevelCombosTwo()`

13.6.48.4 ***Model: Warehouses***

- `getFederalWarehouses()`
- `getIHRWarehouses()`

13.6.48.5 ***Model: Locations***

- `getLocationsByLevel()`

## **13.6.49 Generators and Stabilizers (Voltage Stabilizers and Regulators Working Status)**

### **13.6.49.1 *Controller: Ccem***

- `standbyGeneratorsByFacilityTypeAndWorkingStatus ()`

### **13.6.49.2 *Model: CcmModels***

- `standbyGeneratorsByFacilityTypeAndWorkingStatusReport ()`

### **13.6.49.3 *Controller: Index***

- `allLevelCombosOne()`
- `allLevelCombosTwo()`

### **13.6.49.4 *Model: Warehouses***

- `getFederalWarehouses()`
- `getIHRWarehouses()`

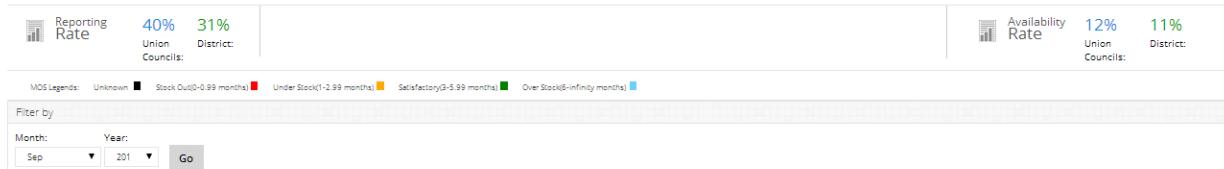
### **13.6.49.5 *Model: Locations***

- `getLocationsByLevel()`

## 13.7 Screens

### Summary Reports – National

National Report for September 2014

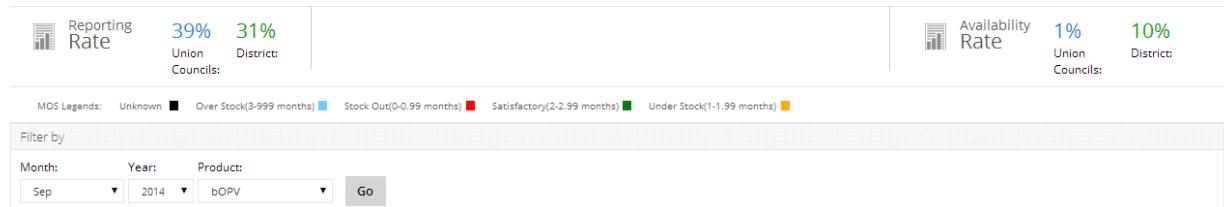


This report provides information about the consumption, average monthly consumption (AMC), quantity on hand of all products managed within the database and month of stock (MOS) for each product at the National level. Consumption is the aggregated quantity used at all reported facilities. Average Monthly Consumption is calculated as average of aggregated consumption of the specified month and a sum of consumption from previous two months. Stock on hand is the aggregated quantity of stock available at all reported facilities. The Month of Stock (MOS) is an indicator which provides the estimation of stock availability terms of how many months the current stocks will last given the consumption remains the same (AMC/SOH = MOS) at National level.

National Report - (September 2014)					
Product	Consumption (Doses)	AMC (Doses)	Product On Hand (Doses)	Months of Stock (MOS)	
IPV	0	UNK	400,000		UNK
bOPV	338,213	171,308.3	46,814,250		273.3
bOPV (HR)	32,005	15,216.7	3,088,780		255.4
mOPV/H	34,762	216,661.0	13,576,980		62.7
tOPV	814,761	765,059.0	25,747,097		33.7
tOPV (Campaign)	674,327	229,565.3	31,522,350		137.9
tOPV (HR)	36	692.7	260		0.3
BIG-00	248,424	247,282.7	5,638,539		22.8
Pentavalent-1	530,991	627,982.7	11,059,342		20.9
Pneumococcal-2 (PCV10)	533,226	505,887.3	6,921,954		17.6
Measles+10	357,799	345,382.7	11,080,062		32.1
Measles+10 (Campaign)	2,693	3,701.0	25,510,035		7,705.5
TT-10	76,357	97,606.0	746,961		7.7

### Summary Reports – Provincial

Province/Region Report September 2014



This report provides information about the consumption, average monthly consumption (AMC), quantity on hand of all products managed within the database and month of stock (MOS) for each product at the Provincial Level. Consumption is the aggregated quantity used at all reported facilities of specified Province. Average Monthly Consumption is calculated as average of aggregated consumption of the specified month and a sum of consumption from previous two months. Stock on hand is the aggregated quantity of stock available at all reported facilities of a Province. The Month of Stock (MOS) is an indicator which provides the estimation of stock availability terms of how many months the current stocks will last given the consumption remains the same (AMC/SOH = MOS) at Provincial level.

Province/Region Report For Product = bOPV (September 2014)					
Province/Region	Consumption (Doses)	AMC (Doses)	Product On Hand (Doses)	Months of Stock (MOS)	
Punjab	28,946	24,093.7	8,620,560		357.8
Sindh	1,860	51,528.0	16,601,515		326.1
Khyber Pakhtunkhwa	306,514	132,760.7	13,369,475		100.7
Balochistan	399	564.7	793,380		1,405.0
FATA	494	562.7	197,280		360.6
Islamabad	0	34,648.0	257,100		7.4

## Summary Reports – District

### District Report July 2014

Reporting Rate **46%** Union Councils: **31%**

Availability Rate **32%** Union Councils: **26%**

MOS Legends: Unknown ■ Over Stock(1.5-999 months) ■ Satisfactory(1-1.5 months) ■ Under Stock(0.5-1 months) ■ Stock Out(0-0.49 months) ■

Filter by

Month: Jul Year: 2014 Province/Region: Punjab Product: BCG-20 Go

This report provides information about the consumption, average monthly consumption (AMC), quantity on hand of all products managed within the database and month of stock (MOS) for each product at the District Level. Consumption is the aggregated quantity used at all reported facilities of specified District. Average Monthly Consumption is calculated as average of aggregated consumption of the specified month and a sum of consumption from previous two months. Stock on hand is the aggregated quantity of stock available at all reported facilities of a District. The Month of Stock (MOS) is an indicator which provides the estimation of stock availability terms of how many months the current stocks will last given the consumption remains the same (AMC/SOH = MOS) at District level.

District Report For Province/Region = Punjab And Product = BCG-20 (July 2014)						
District	Consumption (Doses)	AMC (Doses)	On Hand (Doses)	Months of Stock (MOS)	Reporting Rate	Availability Rate
Attock	UNK	UNK	UNK	■ UNK	■ UNK	■ UNK
Bahawalnagar	UNK	UNK	UNK	■ UNK	■ UNK	■ UNK
Bahawalpur	9,685	9,483.7	96,020	■ 10.1	■ UNK	■ UNK
Bhakar	UNK	UNK	UNK	■ UNK	■ UNK	■ UNK
Chakwal	UNK	UNK	UNK	■ UNK	■ UNK	■ UNK
Chiniot	UNK	UNK	UNK	■ UNK	■ UNK	■ UNK
Dera Ghazi Khan	5,534	6,217.3	3,850	■ 0.6	■ UNK	■ UNK
Faisalabad	20,727	21,731.3	226,740	■ 10.4	■ UNK	■ UNK

## Summary Reports – Tehsil

### Tehsil Report September 2014

Reporting Rate **40%** Union Councils:

Availability Rate **26%** Union Councils:

MOS Legends: Unknown ■ Stock Out(0-0.49 months) ■ Under Stock(0.5-1 months) ■ Satisfactory(1-1.5 months) ■ Over Stock(1.5-999 months) ■

Filter by

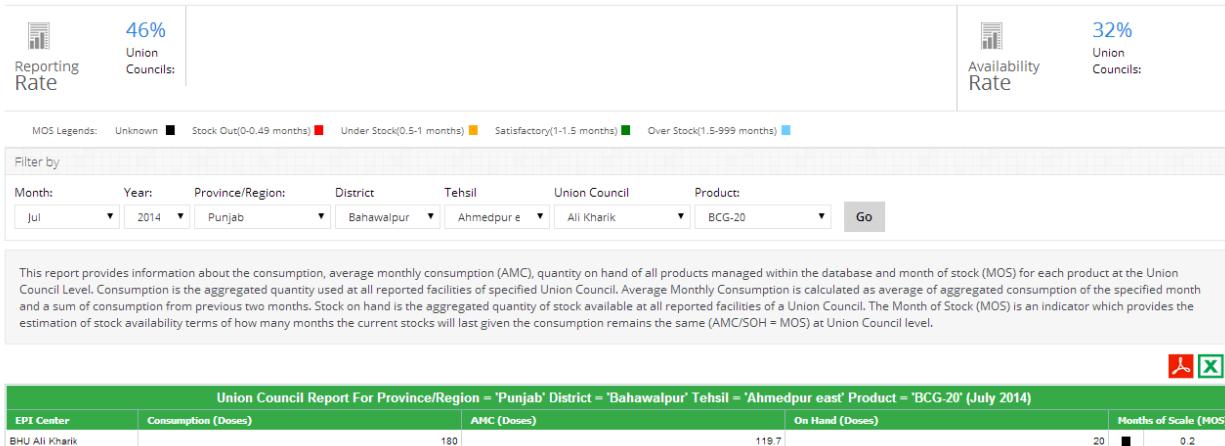
Month: Sep Year: 2014 Province/Region: Punjab District: Bahawalpur Product: BCG-20 Go

This report provides information about the consumption, average monthly consumption (AMC), quantity on hand of all products managed within the database and month of stock (MOS) for each product at the Tehsil Level. Consumption is the aggregated quantity used at all reported facilities of specified Tehsil. Average Monthly Consumption is calculated as average of aggregated consumption of the specified month and a sum of consumption from previous two months. Stock on hand is the aggregated quantity of stock available at all reported facilities of a Tehsil. The Month of Stock (MOS) is an indicator which provides the estimation of stock availability terms of how many months the current stocks will last given the consumption remains the same (AMC/SOH = MOS) at Tehsil level.

Tehsil Report For Province = Punjab And Product = BCG-20(September 2014)						
Tehsil	Consumption (Doses)	AMC (Doses)	On Hand (Doses)	Months of Scale (MOS)	Reporting Rate	Availability Rate
Ahmedpur east	2,827	2,861.0	800	■ 0.3	■ UNK	■ UNK
Bahawalpur City	1,494	1,474.7	20	■ 0.0	■ UNK	■ UNK
Bahawalpur Saddar	1,498	1,495.7	320	■ 0.2	■ UNK	■ UNK
Hasilpur	1,219	1,205.3	640	■ 0.5	■ UNK	■ UNK
Khairpur Tarnewali	UNK	880.3	UNK	■ UNK	■ UNK	■ UNK
Yazman	1,882	1,702.3	800	■ 0.5	■ UNK	■ UNK

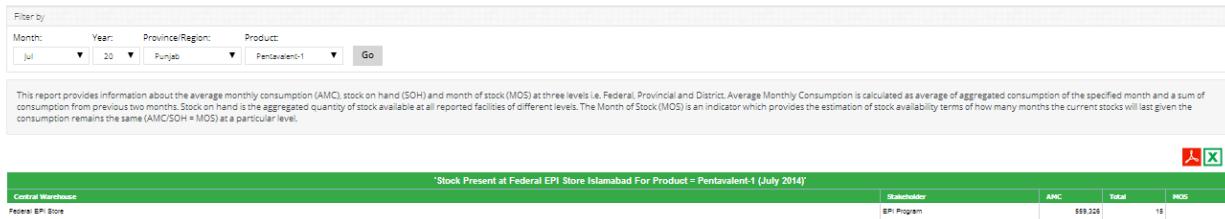
## Summary Reports – UC

Union Council Report July 2014



## Summary Reports – Stock Availability Reports

Stock Availability Report (Doses)



'Provincial Report For Province/Region = Punjab And Product = Pentavalent-1 (July 2014)'					
Provincial Warehouse	Stakeholder	ANC	Total	MOS	
Punjab	Provincial EPI Office	378,591.00	842,852.00	1.44	

'Districts Report For Province/Region = Punjab And Product = Pentavalent-1 (July 2014)'									
Districts	Province/Region	Stakeholder	ANC	Stock	MOS	Field	MOS	Total	MOS
Bahawalpur	Punjab	District EPI Office	27,189	138,231	6.13	9,842	0.38	148,829	6.48
Dera Ghazi Khan	Punjab	District EPI Office	17,544	4,065	0.28	6,740	0.38	11,805	0.66
Faisalabad	Punjab	District EPI Office	84,841	299,800	8.49	18,800	0.29	318,300	8.73

## Yearly Reports – Provincial

## Provincial Yearly Report September 2014

Filter by

Ending Month:	Year:	Province/Region:	Indicator:	
Sep	2014	Punjab	Consumption	<b>Go</b>

This report provides information about the consumption, stock on hand, stock received and stock issued of each product through the span of specified year at Provincial level. Consumption is the aggregated quantity used at all reported facilities of specified Province. Average Monthly Consumption is calculated as average of aggregated consumption of the specified month and a sum of consumption from previous two months. Stock on hand is the aggregated quantity of stock available at all reported facilities of a Province. The Month of Stock (MOS) is an indicator which provides the estimation of stock availability terms of how many months the current stocks will last given the consumption remains the same (AMC/SOH = MOS) at Provincial level.



Provincial Yearly Report For Province = 'Punjab' And Indicator = "Consumption" (In Doses)												
Product	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
IPV	0	0	0	0	0	0	0	0	0	0	0	0
tOPV	654,600	140,694	98,217	573,179	704,515	237,608	296,480	39,563	210,440	915	42,420	28,946
tOPV (IHR)	0	0	0	7,650	0	0	0	0	0	0	0	13,385
mOPV1	0	807	3,750	80	40	0	460	8,200	374	24,508	15,160	10,040
tOPV	930,840	555,556	529,060	530,636	519,999	597,361	545,151	532,245	506,764	487,724	529,605	542,751
tOPV (Campaign)	0	17,138	8,174	36,779	42,934	623,843	37,064	441,174	1,152	1,371	1,930	236,801
tOPV (IHR)	0	50	35	60	113	0	0	0	88	93	160	0
BCG-20	341,920	180,230	167,252	160,787	157,722	162,164	150,808	152,727	157,705	155,777	184,511	171,068
Pentavalent-1	477,134	407,180	405,993	392,716	387,928	411,631	420,327	398,722	384,066	346,895	376,566	372,694
Pneumococcal-2 (PCV10)	398,311	404,967	400,875	390,704	381,197	408,457	419,454	399,534	384,322	334,344	376,251	372,701
Measles-10	235,480	251,714	240,029	227,178	226,119	241,921	308,263	266,533	271,152	237,792	256,636	267,991

## Yearly Reports – District

## District Yearly Report July 2014

Filter by

Ending Month:	Year:	Province/Region:	Product:	Indicator:	<input type="button" value="Go"/>
Jul	2014	Punjab	BCG-20	Consumption	

This report provides information about the consumption, stock on hand, stock received and stock issued of each product through the span of specified year at District level. Consumption is the aggregated quantity used at all reported facilities of specified District. Average Monthly Consumption is calculated as average of aggregated consumption of the specified month and a sum of consumption from previous two months. Stock on hand is the aggregated quantity of stock available at all reported facilities of a District. The Month of Stock (MOS) is an indicator which provides the estimation of stock availability terms of how many months the current stocks will last given the consumption remains the same (AMC/SOH = MOS) at District level.



## Yearly Reports – Reporting and Wastages Report

### Reporting and Wastages Rate September 2014

Filter by

Ending Month:	Year:	Province/Region:	Product:
Sep	2014	Punjab	IPV

**Go**

This report provides information about the reporting rate and wastages rate of specified product and province through the span of given year. Reporting Rate is ratio of reported facilities to the total number of facilities expressed as percentage. Wastages Rate is ratio of wastage quantity to the sum of stock issued and wastage quantity expressed as percentage.

RR: Reporting Rate  
Wastage Acceptance Limit: 10%



District	'IPV' Reporting and Wastage Rate for (September-2014)											
	Apr-14		May-14		Jun-14		Jul-14		Aug-14		Sep-14	
RR	Wastages	RR	Wastages	RR	Wastages	RR	Wastages	RR	Wastages	RR	Wastages	
Bahawalpur	0 %	0 %	0.9 %	0.0 %	0.9 %	0.0 %	1.9 %	0.0 %	23.1 %	0.0 %	90.7 %	0.0 %
Dera Ghazi Khan	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	23.7 %	0.0 %	100.0 %	0.0 %
Faisalabad	4.2 %	0.0 %	6.6 %	0.0 %	4.8 %	0.0 %	1.0 %	0.0 %	39.4 %	0.0 %	100.0 %	0.0 %
Gujranwala	2.1 %	0.0 %	2.6 %	0.0 %	3.6 %	0.0 %	2.6 %	0.0 %	23.6 %	0.0 %	90.8 %	0.0 %
Lahore	7.0 %	0.0 %	7.0 %	0.0 %	6.4 %	0.0 %	9.4 %	0.0 %	40.9 %	0.0 %	74.3 %	0.0 %
Mianwali	1.8 %	0.0 %	1.8 %	0.0 %	3.6 %	0.0 %	0 %	0 %	51.8 %	0.0 %	73.2 %	0.0 %
Multan	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	19.1 %	0.0 %	100.0 %	0.0 %
Muzaffargarh	5.4 %	0.0 %	7.5 %	0.0 %	8.6 %	0.0 %	10.8 %	0.0 %	50.5 %	0.0 %	95.7 %	0.0 %
Rahim Yar Khan	0 %	0 %	1.5 %	0.0 %	0.8 %	0.0 %	0 %	0 %	15.0 %	0.0 %	100.0 %	0.0 %
Rajanpur	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	43.2 %	0.0 %	97.7 %	0.0 %
Rawalpindi	1.5 %	0.0 %	2.0 %	0.0 %	0 %	0 %	0.5 %	0.0 %	25.5 %	0.0 %	99.5 %	0.0 %

### Monthly Provincial Reports – AMC

#### Provincial/Regional Store-Average Monthly Consumption September 2014

Filter by

Month:	Year:
Sep	2014

**Go**

This report provides information about the average monthly consumption (AMC) of all products at Provincial level for specified month. Average Monthly Consumption is calculated as average of aggregated consumption of the specified month and a sum of consumption from previous two months.



Product	Provincial/Regional Store-Average Monthly Consumption (doses) (September 2014)					
	Punjab	Sindh	Khyber Pakhtunkhwa	Balochistan	FATA	Islamabad
IPV	0	0	0	0	0	0
bOPV	24,093.7	51,528.0	169,918.7	564.7	593.7	34,648.0
bOPV (IHR)	13,273.7	0	6,739.5	0	0	0
mOPV1	16,568.7	64,867.3	100,377.3	108,813.0	2,659.0	0
tOPV (IHR)	113.7	128.0	962.0	36.0	0	0
tOPV	519,993.7	125,455.3	89,515.3	17,441.0	7,659.7	10,689.0
tOPV (Campaign)	80,034.0	84,566.0	65,617.0	1,898.7	99.7	49,000.0
DIL-BCG-20	831.7	32.0	0	0	69.0	0
BCG-20	170,451.3	40,750.3	23,632.7	8,980.3	2,923.0	2,700.7
bOPV(IHR)	0	0	0	0	0	0
Pentavalent-1	365,385.7	90,369.7	47,344.3	18,131.0	6,115.0	8,127.3
Pneumococcal-2 (PCV10)	361,098.3	89,827.7	45,519.7	6,007.3	625.0	7,808.3
Measles-10	254,139.7	52,586.3	24,531.3	8,418.7	3,983.7	4,895.7

## Monthly Provincial Reports – Month of Stock

Provincial/Regional Store-Month of Stock June 2014

Filter by

Month: Year:

Jun 2014 Go

This report provides information about the Month of Stock (MOS) of all products at Provincial level for specified month. The Month of Stock (MOS) is an indicator which provides the estimation of stock availability terms of how many months the current stocks will last given the consumption remains the same (AMC/SOH = MOS) at Provincial level.



Provincial/Regional Store-Month of Stock (doses) (June 2014)						
Product	Punjab	Sindh	Khyber Pakhtunkhwa	Balochistan	FATA	Islamabad
IPV	0	0	0	0	0	0
bOPV	132.4	239.3	23.1	2,208.8	216.4	2.4
bOPV (IHR)	0.0	0.0	0	0	0	0
mOPV1	3,130.6	9.2	38.2	45.9	25.7	0
tOPV (IHR)	0.5	0.9	0	0	0	0
tOPV	9.4	99.9	0.3	3.5	11.3	1.2
tOPV (Campaign)	33.1	0.0	16.6	235.1	45.6	3.1
DIL-BCG-20	2,020.3	12,775.0	317.1	0	0	0
BCG-20	7.0	24.2	16.1	7.2	7.2	7.8
bOPV(IHR)	0	0	0	0	0	0
Pentavalent-1	3.8	16.0	3.1	8.6	5.4	1.2
Pneumococcal-2 (PCV10)	2.6	18.6	4.2	0.1	1.1	0
Measles-10	5.8	66.6	20.2	7.3	19.7	1.6

## Monthly Provincial Reports – Consumption

Provincial/Regional Store-Consumption June 2014

Filter by

Month: Year:

Jun 2014 Go

This report provides information about the Consumption of all products at Provincial level for specified month. Consumption is the aggregated quantity used at all reported facilities of specified Province.



Provincial/Regional Store-Consumption (doses) (June 2014)						
Product	Punjab	Sindh	Khyber Pakhtunkhwa	Balochistan	FATA	Islamabad
IPV	0.0	0.0	0.0	0.0	0.0	0.0
bOPV	210,440.0	114,604.0	19,323.0	71.0	789.0	0.0
bOPV (IHR)	0.0	0.0	180.0	0.0	0.0	0.0
bOPV(Campaign)	0.0	0.0	0.0	0.0	0.0	0.0
mOPV1	374.0	92,335.0	126,581.0	159,183.0	2,659.0	0.0
tOPV (IHR)	88.0	0.0	573.0	0.0	0.0	0.0
tOPV	506,764.0	110,877.0	75,924.0	22,362.0	16,769.0	10,507.0
tOPV (Campaign)	1,152.0	37,745.0	2,325.0	107.0	0.0	0.0
mOPV(Campaign)	0.0	0.0	0.0	0.0	0.0	0.0
BCG-20	157,705.0	35,409.0	22,804.0	9,852.0	5,631.0	1,712.0
DIL-BCG-20	0.0	0.0	0.0	0.0	0.0	0.0
bOPV(IHR)	0.0	0.0	0.0	0.0	0.0	0.0
Pentavalent-1	384,066.0	83,573.0	55,391.0	23,548.0	14,189.0	7,564.0

## Monthly Provincial Reports – Stock on Hand

### Provincial/Regional Store-Stock on Hand May 2014

Filter by

Month: Year:

May	2014	<b>Go</b>
-----	------	-----------

This report provides information about the Stock on hand (SOH) of all products at Provincial level for specified month. Stock on hand is the aggregated quantity of stock available at all reported facilities of specified Province.



Provincial/Regional Store-Stock on Hand (doses) (May 2014)						
Product	Punjab	Sindh	Khyber Pakhtunkhwa	Balochistan	FATA	Islamabad
IPV	0	0	0	0	0	0
bOPV	19,449,820	16,977,155	7,563,849	11,280	362,150	89,060
bOPV (IHR)	0	0	0	0	0	0
bOPV(Campaign)	0	0	0	0	0	0
mOPV1	5,576,800	839,860	867,680	148,550	60,020	67,880
tOPV (IHR)	0	0	240	0	0	0
tOPV	3,621,880	11,254,473	1,523,325	193,500	215,637	24,444
tOPV (Campaign)	10,231,200	13,420	1,720,130	145,040	40,000	151,000
mOPV(Campaign)	0	0	0	0	0	0
BCG-20	1,984,714	799,035	666,717	96,229	51,171	26,580
DIL-BCG-20	2,129,800	408,800	50,000	88,480	24,040	19,900
bOPV(IHR)	0	0	0	0	0	0
Pentavalent-1	2,402,037	1,417,024	197,593	234,568	90,506	11,633

## Data Performance – Shipment Report

### Warehouse Shipment Report June 2014

Filter by

Ending Month: Year: Warehouse:

Jun	2014	Federal	<b>Go</b>
-----	------	---------	-----------

This report provides information about stock issued and received by warehouses at four different levels i.e. National, Provincial, District and Tehsil through the span of specified six months.



Store	Warehouse Shipment Report As on (June-2014)											
	Jan-14		Feb-14		Mar-14		Apr-14		May-14		Jun-14	
	Receive	Issue	Receive	Issue	Receive	Issue	Receive	Issue	Receive	Issue	Receive	Issue
Federal EPI Store	22	34	21	41	16	44	12	43	9	54	17	39

## Data Performance – Non Reported District - By Facility

### Non-Reported EPI Centers Report

Filter by				
Month:	Year:	Province/Region:	District	
Aug	2014	Punjab	Bahawalpur	Go
This report provides information about the non-reported facilities within District for specified month.				
<b>Total Warehouses</b>	126	<b>Total Non Reported Warehouses</b>	18	Reporting Rate 85.71%  
<b>Non-reported EPI Centers Report For Province/Region Punjab (August 2014)</b>				
Sr No.	Province/Region	District	Union Council	EPI Center
1	Punjab	Bahawalpur	188/M	BHU 183/M
2	Punjab	Bahawalpur	Urban No. 3	B.V.Hospital
3	Punjab	Bahawalpur	1/DNB	BHU 1/DNB
4	Punjab	Bahawalpur	117/DB	GRD Tariwala
5	Punjab	Bahawalpur	163/M	BHU 163/M
6	Punjab	Bahawalpur	4 B/C	BHU B33/ABC
7	Punjab	Bahawalpur	89/F	BHU 90/F
8	Punjab	Bahawalpur	Bakhtiar	BHU Bhala Jhulan
9	Punjab	Bahawalpur	Cantonment	D Cantonment
10	Punjab	Bahawalpur	Hathaji	BHU Ali Wahin
11	Punjab	Bahawalpur	Jhandani	BHU Sheikh Wahin
12	Punjab	Bahawalpur	Khanuwali	BHU Bhinda Gulam Hussain

## Data Performance – Non Reported District - By UC

### Non-Reported EPI Centers Report

Filter by				
Month:	Year:	Province/Region:	District	
Sep	2014	Punjab	Bahawalpur	Go
This report provides information about the non-reported users within District for specified month.				
<b>Total Warehouses</b>	108	<b>Total Non Reported Warehouses</b>	10	Reporting Rate 90.74%  
<b>Non-reported EPI Centers Report For Province/Region (September 2014)</b>				
Sr No.	Province/Region	District	Union Council	Operator
1	Punjab	Urban KPT	Urban KPT	Muhammad Tahir
2	Punjab	88/DB	88/DB	Shafqat Ali
3	Punjab	Bheli	Bheli	Muhammad Tahir
4	Punjab	Gaddan	Gaddan	Muhammad Tahir
5	Punjab	Inayati	Inayati	Muhammad Tahir
6	Punjab	Israni	Israni	Muhammad Tahir
7	Punjab	Jhandani	Jhandani	Muhammad Tahir
8	Punjab	Kotla Qasim Khan	Kotla Qasim Khan	Muhammad Tahir
9	Punjab	Syed Imam Shah	Syed Imam Shah	Muhammad Tahir
10	Punjab	UC 57/DB	UC 57/DB	Shafqat Ali

## Data Performance – Reported District - By User

### Consumption Data Reporting Status (By User) September 2014

Filter by

Ending Month: Year: Province/Region:

Sep 2014 Punjab Go

This report provides information about the total number of users, number of reported users and reporting rate at District level through the span of six months. Reporting Rate is ratio of reported users to the total number of users expressed as percentage.



District	Total Users	Apr-14		May-14		Jun-14		Jul-14		Aug-14		Sep-14	
		Reported Users	Reported %										
Bahawalpur	16	16	100 %	16	100 %	16	100 %	16	100 %	16	100 %	15	94 %
Dera Ghazi Khan	9	9	100 %	9	100 %	9	100 %	9	100 %	9	100 %	9	100 %
Faisalabad	24	24	100 %	24	100 %	24	100 %	24	100 %	24	100 %	24	100 %
Gujranwala	27	27	100 %	26	96 %	26	96 %	26	96 %	26	96 %	25	93 %
Lahore	10	10	100 %	10	100 %	10	100 %	10	100 %	10	100 %	8	80 %
Mianwali	8	8	100 %	8	100 %	8	100 %	6	75 %	6	75 %	6	75 %
Multan	3	3	100 %	3	100 %	3	100 %	3	100 %	3	100 %	3	100 %
Muzaffargarh	17	17	100 %	17	100 %	17	100 %	17	100 %	17	100 %	16	94 %
Rahim Yar Khan	17	8	47 %	17	100 %	17	100 %	17	100 %	17	100 %	17	100 %
Rajanpur	3	3	100 %	3	100 %	3	100 %	3	100 %	3	100 %	3	100 %
Rawalpindi	24	24	100 %	24	100 %	24	100 %	24	100 %	24	100 %	24	100 %
Sahiwal	16	16	100 %	16	100 %	16	100 %	16	100 %	16	100 %	16	100 %

## Data Performance – Reported District - By UC

### Consumption Data Reporting Status (By UC) September 2014

Filter by

Ending Month: Year: Province/Region:

Sep 2014 Punjab Go

This report provides information about the total number of union councils, number of reported union councils and reporting rate at District level through the span of six months. Reporting Rate is ratio of reported union councils to the total number of union councils expressed as percentage.



District	Total UCs	Apr-2014		May-2014		Jun-2014		Jul-2014		Aug-2014		Sep-2014	
		Reported UCs	Reported %										
Bahawalpur	108	108	100 %	108	100 %	108	100 %	108	100 %	108	100 %	98	91 %
Dera Ghazi Khan	59	59	100 %	59	100 %	59	100 %	59	100 %	59	100 %	59	100 %
Faisalabad	289	289	100 %	289	100 %	289	100 %	289	100 %	289	100 %	289	100 %
Gujranwala	195	178	91 %	178	91 %	188	95 %	192	98 %	193	99 %	178	91 %
Lahore	171	162	95 %	161	94 %	164	98 %	156	91 %	151	88 %	127	74 %
Mianwali	56	56	100 %	55	98 %	55	98 %	41	73 %	42	75 %	41	73 %
Multan	131	131	100 %	131	100 %	131	100 %	131	100 %	131	100 %	131	100 %
Muzaffargarh	93	93	100 %	93	100 %	93	100 %	93	100 %	92	99 %	90	97 %
Rahim Yar Khan	133	133	100 %	133	100 %	133	100 %	133	100 %	133	100 %	133	100 %
Rajanpur	44	43	98 %	43	98 %	43	98 %	44	100 %	44	100 %	43	98 %
Rawalpindi	196	196	100 %	196	100 %	196	100 %	196	100 %	196	100 %	196	100 %
Sahiwal	91	89	98 %	90	99 %	91	100 %	91	100 %	91	100 %	91	100 %

## Data Performance – Reported District - By Facility

Consumption Data Reporting Status (By Facility) September 2014

Consumption Data Reporting Status (By Facility) As on(September-2014)										
District	Health Facilities	Apr-14 Reported HFs	May-14 Reported HFs	Jun-14 Reported HFs	Jul-14 Reported HFs	Aug-14 Reported HFs	Sep-14 Reported HFs			
Bahawalpur	126	108	86 %	108	86 %	108	86 %	108	86 %	108
Dera Ghazi Khan	59	59	100 %	59	100 %	59	100 %	59	100 %	59
Faisalabad	319	289	91 %	289	91 %	289	91 %	289	91 %	289
Gujranwala	210	181	86 %	181	86 %	189	90 %	195	93 %	188
Lahore	364	307	84 %	306	84 %	312	86 %	300	82 %	303
Mianwali	74	57	77 %	56	76 %	56	76 %	42	57 %	43
Multan	173	131	76 %	131	76 %	131	76 %	131	76 %	131
Muzaffargarh	104	98	94 %	98	94 %	98	94 %	98	94 %	97
Rahim Yar Khan	158	133	84 %	133	84 %	133	84 %	133	84 %	133
Rajanpur	46	44	96 %	44	96 %	44	96 %	45	98 %	45
Rawalpindi	198	197	99 %	197	99 %	197	99 %	197	99 %	197
Sahiwal	108	105	97 %	107	99 %	107	99 %	107	99 %	108

## Others – Federal Provincial Warehouse

Federal/Provincial Warehouse Report August 2014

Federal EPI Store : Indicator = 'Issue'												
Product	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14
IPV	0	0	0	0	0	0	0	0	0	0	0	0
bOPV	0	0	0	0	37,401,580	46,783,380	15,303,500	18,273,220	4,466,800	884,100	605,200	11,764,800
bOPV (IHR)	0	0	0	0	0	0	0	0	0	0	0	9,000
mOPV1	0	0	0	0	0	0	0	5,100,060	7,241,860	14,353,440	5,049,060	6,854,100
tOPV	0	0	0	0	2,426,560	1,614,000	1,049,400	2,120,000	1,375,200	1,569,800	1,069,000	3,046,800
tOPV (Campaign)	0	0	0	0	0	74,000	35,417,460	1,154,000	5,084,400	1,000,000	666,000	232,000
tOPV (IHR)	0	0	0	0	0	0	0	0	0	0	0	0
BCG-20	0	0	0	0	1,226,300	419,000	458,120	669,000	751,000	460,000	1,059,500	831,400
Pentavalent-1	0	0	0	0	1,560,160	1,286,900	963,800	967,232	1,271,700	901,000	931,700	2,056,300
Pneumococcal-2 (PCV10)	0	0	0	0	1,082,660	1,136,000	1,210,300	773,300	1,314,500	831,800	1,555,400	1,562,392
Measles-10	0	0	0	0	1,375,500	468,000	605,000	506,800	1,224,600	305,200	621,200	285,200

## Campaign Summary – Coverage

Consumption Reports (Campaign)

Coverage Report – Campaign Summary											
District		Daily Target	No. of Teams Reported in the evening	0-5 Months	5-59 Months	Recorded NA	Recorded Refusal	Covered NA	Covered Refusal	Number of Mobile-Migratory children covered	Total Coverage
Jaffarabad		57,180	537	0	58,122	3,899	0	699	0	203	58,122
Naseerabad		53,607	477	0	57,684	3,007	264	645	66	776	57,684
Pishin		69,699	654	0	66,048	2,397	3,052	344	1,779	4,684	66,048
Qilla Abdullah		14,361	133	0	13,054	670	1,032	120	435	334	13,054

## Campaign Detail – Coverage

Consumption Reports (Campaign)

Coverage Report – Campaign Detail											
Tehsil	UC	Daily Target	No. of Teams Reported in the evening	0-5 Months	5-59 Months	Recorded NA	Recorded Refusal	Covered NA	Covered Refusal	Number of Mobile-Migratory children covered	Total Coverage
Baldia	RASHEEDABAD - 8	11,283	106	0	11,177	736	109	199	12	543	11,177
Baldia	UC-2	24,148	298	0	23,403	708	294	299	74	59	23,403
Baldia	UC-3	18,486	124	0	17,778	968	104	246	20	260	17,778
Baldia	UC-4	12,364	100	0	11,476	1,310	359	148	19	630	11,476
Baldia	UC-5	9,475	62	0	8,988	522	140	116	40	104	8,988
Baldia	UC-1	17,647	183	0	16,822	814	469	331	121	19	16,822
Baldia	UC-7	8,165	66	0	8,273	875	40	123	5	396	8,273

## Catch Up

Consumption Reports (Campaign)

Coverage Report – Catch Up									
Tehsil	UC	Still Missed After Campaign Activity	Still NA	Still Refusal	Catch-up Missed Children Covered After Campaign Activity	NA Covered	Refusals Covered	Un-recorded Missed Children Covered	
Gaddap	MANGOPIR - 8	918	714	204	236	168	68	1,154	
Gaddap	MEMON GOTH - 1	458	424	34	85	77	8	543	
Gaddap	DARSANO - 2	417	405	12	103	96	7	520	
Gaddap	GADAP - 3	337	337	0	58	58	0	395	
Gaddap	GUJRO - 4	319	130	189	297	157	140	616	
Gaddap	UC-V	889	693	196	145	93	52	1,034	
Gaddap	MAMMARABAD - 6	507	376	131	138	120	18	645	
Gaddap	UC-VII	377	362	15	317	301	16	694	

## Coverage Missed Children

Reported Coverage and missed Children

Reported Coverage and missed Children										
Province / areas	Total target population of reporting districts	Reported Coverage		Reported unvaccinated children						
		Children vaccinated		Children still unvaccinated from recorded unvaccinated						
		n	%	n	% of target	n	% of target	n	Total	% of target
Baldia	101,468	97,916	96.5	5,933	5.8	1,516	1.6	7,448	7.3	
Gaddap	224,591	218,520	97.3	4,511	2.0	1,090	0.5	5,601	2.5	
Ghotki	216,297	211,397	97.7	20,958	9.7	1,146	0.1	21,104	9.8	
Gulshan Iqbal	162,669	153,397	94.3	10,415	6.4	1,417	0.9	11,832	7.3	
Hyderabad	254,645	254,587	100.0	29,301	11.5	1,668	0.7	30,909	12.2	
Jacobabad	198,998	199,678	106.8	13,169	7.0	391	0.2	13,560	7.3	
Kashmore	162,681	152,709	93.9	10,375	6.4	5	0.0	10,380	6.4	
Khairpur	395,293	386,690	97.8	31,452	8.0	109	0.0	31,561	8.0	
Larkana	166,097	160,885	96.9	15,872	9.6	10	0.0	15,882	9.6	
Qambar	184,922	188,548	102.0	15,154	8.2	19	0.0	15,173	8.2	
Shikarpur	162,935	154,607	94.9	10,459	6.4	82	0.1	10,541	6.5	
Sukkur	257,289	254,478	98.9	18,632	7.2	38	0.0	18,660	7.2	

## Status of NID's

Status of NIDs

Status of NIDs								
Town	Target Population	Reported Coverage number	Reported Coverage %	No. of UCs	< 90% Coverage	< 70% Coverage	< 50% Coverage	< 30% Coverage
Sindh	2,670,732	2,628,299	98.4	1	0	0	0	0

## LQAS

Consumption Reports (Campaign)

Lot Quality Assurance Sampling (LQAS) Report							
Office	Province *	Campaigns	All	Submit			
<b>Lot Quality Assurance Sampling (LQAS) Report</b>							
District	Lots Assessed	Passed	Intermediate	Failed	% Children found vaccinated during Spot Survey	% Children vaccinated based on reported data	
Badin	0	0	0	0	0%	0%	
Baldia	0	0	0	0	0%	0%	
Dadu	0	0	0	0	0%	0%	
Gaddap	0	0	0	0	0%	0%	
Ghotki	0	0	0	0	0%	0%	
Gulshan Iqbal	0	0	0	0	0%	0%	
Hyderabad	0	0	0	0	0%	0%	
Jacobabad	0	0	0	0	0%	0%	
Jamshoro	0	0	0	0	0%	0%	
Karachi	0	0	0	0	0%	0%	
Karachi East	0	0	0	0	0%	0%	
Karachi North	0	0	0	0	0%	0%	
Karachi South	0	0	0	0	0%	0%	
Karachi West	0	0	0	0	0%	0%	
Kashmore	0	0	0	0	0%	0%	

## Under-performing Districts by Province (Summary)

Under-performing Districts by Province(Summary)

Under-performing Districts by Province		
Campaigns	No. of district reported	No. of district with <90% reported coverage
NIDs tOPV (Campaign) 14 Oct 2014- 14 C	12	0
Balochistan	4	0

## Under-performing UC's

Under-performing UCs

Under-performing UCs				
Town	UC	Total Target population for the campaign	No. of Children Vaccinated	% children vaccinated
Baldia	RASHEEDABAD - 8	11,283	11,177	99
Baldia	UC-2	24,148	23,403	97
Baldia	UC-3	18,486	17,778	96
Baldia	UC-4	12,364	11,476	93
Baldia	UC-5	9,475	8,986	95
Baldia	UC-1	17,547	16,822	96
Baldia	UC-7	8,165	8,273	101

## Under-performing Districts by Province

Under-performing Districts by Province

Under-performing Districts by Province				
District/ agency / town	Total Target population for the campaign	No. of Children Vaccinated	% children vaccinated	
Baldia	101,468	97,915	96	
Gaddap	224,591	218,820	97	
Ghotki	216,297	211,397	98	
Gulshan Iqbal	162,069	153,397	94	
Hyderabad	254,645	254,887	100	
Jacobabad	186,988	190,678	107	
Kashmore	162,681	152,709	94	
Khairpur	395,293	386,690	98	
Larkana	166,097	160,865	97	
Qambar	184,922	188,648	102	
Shikarpur	162,935	154,607	95	
Sukkur	257,289	254,478	99	

## Vaccine Utilization and Wastages

### Vaccine Utilization and Wastage

Vaccine Utilization and Wastage				
Campaigns				
NIDs tOPV (Campaign) 14 Oct 2014- 14 C	▼	Search		
Vaccine Utilization and Wastage				
Province / areas	Doses given	Doses Used	Doses Returned	Vaccine Wastage
Sindh	151,685	137,717	13,988	79
Balochistan	13,388	11,291	2,077	6

### CCEM – Storage – Capacity at +2c and +8c

#### CCEM Reports

Vaccine storage capacity at +2c to +8c against requirements												
Facility Type	Office	Province *	Facility Name	Facility Type	Actual Capacity (Ltr)	Required Capacity (Ltr)	Difference (Ltr)	Surplus > 30%	Surplus 10-30%	Match +/- 10%	Shortage 10-30%	Shortage >30%
Basic Health Unit	Province	Punjab	THQ G Khan	Basic Health Unit	16.00	4.19	11.81	1	0	0	0	0
This report provides information about the vaccine storage capacity (+2C to +8C) against requirements at three different levels i.e. National, Provincial and District. It displays actual storage capacity, required storage capacity, difference of actual and required capacity, capacity surplus more than 30%, capacity surplus between 10%-30%, capacity shortage more than 30%, capacity shortage between 10%-30% and if the difference of capacity is within the range of -10% to +10%.												
Punjab	Muzaffargarh	BHU 632 - TDA	Basic Health Unit	Basic Health Unit	75.00	6.71	68.29	1	0	0	0	0
Punjab	Lahore	51	Basic Health Unit	Basic Health Unit	32.00	3.04	28.96	1	0	0	0	0
Punjab	Lahore	BHU Ghowind	Basic Health Unit	Basic Health Unit	16.00	0.26	15.74	1	0	0	0	0
Punjab	Lahore	BHU Lisher	Basic Health Unit	Basic Health Unit	16.00	7.17	8.83	1	0	0	0	0
Punjab	Rawalpindi	RHC Choura	Basic Health Unit	Basic Health Unit	16.00	3.00	13.00	1	0	0	0	0
Punjab	Rawalpindi	THQ G Khan	Basic Health Unit	Basic Health Unit	16.00	4.19	11.81	1	0	0	0	0
Punjab	Rawalpindi	CT-8 B	Basic Health Unit	Basic Health Unit	16.00	4.05	11.95	1	0	0	0	0
Punjab	Rawalpindi	SSH CT-10 B	Basic Health Unit	Basic Health Unit	0.00	1.17	-1.17	0	0	0	0	1
Punjab	Rawalpindi	Aqala	Basic Health Unit	Basic Health Unit	32.00	3.55	28.45	1	0	0	0	0
Punjab	Rawalpindi	THQ Tassila	Basic Health Unit	Basic Health Unit	16.00	5.28	10.72	1	0	0	0	0
Punjab	Rawalpindi	RHC Manora	Basic Health Unit	Basic Health Unit	16.00	4.73	11.27	1	0	0	0	0
Punjab	Rawalpindi	RHC Lennar	Basic Health Unit	Basic Health Unit	16.00	4.41	11.59	1	0	0	0	0
Punjab	Rawalpindi	RHC Koti Sattan	Basic Health Unit	Basic Health Unit	120.93	2.54	118.39	1	0	0	0	0
Punjab	Rawalpindi	RHC Praghari	Basic Health Unit	Basic Health Unit	91.00	2.87	88.13	1	0	0	0	0
Punjab	Rawalpindi	BHU Karan	Basic Health Unit	Basic Health Unit	16.00	4.03	11.97	1	0	0	0	0
Punjab	Rahim Yar Khan	BHU Asapur	Basic Health Unit	Basic Health Unit	75.00	7.37	67.63	1	0	0	0	0
Punjab	Rahim Yar Khan	BHU Kaxma	Basic Health Unit	Basic Health Unit	16.00	3.64	12.36	1	0	0	0	0
Punjab	Rahim Yar Khan	EPI Center-71B	Basic Health Unit	Basic Health Unit	75.00	8.67	66.33	1	0	0	0	0
Punjab	Rahim Yar Khan	BHU Khairpur Khadali	Basic Health Unit	Basic Health Unit	0.00	9.35	-9.35	0	0	0	0	1
Punjab	Rahim Yar Khan	BHU Zamz Shan	Basic Health Unit	Basic Health Unit	16.00	8.38	7.62	1	0	0	0	0
Punjab	Rahim Yar Khan	BHU 145P	Basic Health Unit	Basic Health Unit	16.00	8.23	7.77	1	0	0	0	0
Punjab	Rahim Yar Khan	BHU Aminqaad	Basic Health Unit	Basic Health Unit	16.00	9.15	6.88	1	0	0	0	0

### CCEM – Storage – Capacity at -2c

## CCEM Reports

Vaccine storage capacity at -20c against requirements

Facility Type	Office	Province *	Vaccine storage capacity at -20c against requirements									
Basic Health Unit	Province	Sindh	Search									
This report provides information about the vaccine storage capacity (-20C) against requirements at three different levels i.e. National, Provincial and District. It displays actual storage capacity, required storage capacity, difference of actual and required capacity, capacity surplus more than 30%, capacity surplus between 10%-30%, capacity shortage more than 30%, capacity shortage between 10%-30% and if the difference of capacity is within the range of -10% to +10%.												
Province	District	Facility Name	Facility Type	Actual Capacity (Ltr)	Required Capacity (Ltr)	Difference (Ltr)	Surplus > 30%	Surplus 10-30%	Match +/- 10%	Shortage 10-30%	Shortage > 30%	
Sindh	Sukkur	BHU Saleh Pat	Basic Health Unit	264.00	0.00	264.00	0	0	0	0	0	
Sindh	Gulshan Iqbal	BHU Pehlwan Goth	Basic Health Unit	4.86	0.00	4.86	0	0	0	0	0	
Sindh	Gadoop	BHU Dur Muhammad	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Gadoop	BHU Lasi Goth	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Kashmore	GD Jahan Khan	Basic Health Unit	62.30	0.00	62.30	0	0	0	0	0	
Sindh	Sukkur	BHU Atab Latra	Basic Health Unit	38.13	0.00	38.13	0	0	0	0	0	
Sindh	Ghotki	THQ Ghotki	Basic Health Unit	52.30	0.00	52.30	0	0	0	0	0	
Sindh	Ghotki	BHU Dad Laghari	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Jacobabad	BHU Sonchhan Rind	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Jacobabad	BHU Bungali Khoso	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Larkana	BHU Akill	Basic Health Unit	61.05	0.00	61.05	0	0	0	0	0	
Sindh	Sukkur	BHU Neel Rind	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Kharipur	BHU Raz Dero	Basic Health Unit	16.80	0.00	16.80	0	0	0	0	0	
Sindh	Jacobabad	D Village Gao	Basic Health Unit	192.00	0.00	192.00	0	0	0	0	0	
Sindh	Sukkur	BHU Hingro	Basic Health Unit	3.83	0.00	3.83	0	0	0	0	0	
Sindh	Ghotki	BHU Umer Dah	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Gammar	BHU Altaar Khan	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Gammar	BHU Chakani	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Gammar	BHU Arz Brutto	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Larkana	BHU Moen Jo Daro	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	
Sindh	Ghotki	BHU Gh. H. Leghari	Basic Health Unit	503.00	0.00	503.00	0	0	0	0	0	
Sindh	Kharipur	BHU Hingjari	Basic Health Unit	503.00	0.00	503.00	0	0	0	0	0	

## CCEM – Storage – Icepack Capacity (IR)

### CCEM Reports

Icepack Freezing Capacity Shortages for Routine Immunization by Area

Icepack Freezing Capacity Shortages for Routine Immunization by Area				
Area	Facility Type	Total No. of Facilities	No. of Facilities with more than 30% shortage	% of Facilities with more than 30% shortage
Federal	National Vaccine Store	4	3	75.00
Federal	DHQ Hospital	1	1	100.00

## CCEM – Storage – Capacity Shrtage -20c

### CCEM Reports

Capacity Shortages -20c by area

Facility Type	Office	Province *	Capacity Shortages -20c by area									
Basic Health Unit	Province	Balochistan	Search									
This report provides information about the storage capacity shortages (-20C) at three different levels i.e. National, Provincial and District. It displays actual storage capacity, required storage capacity, difference of actual and required capacity, capacity surplus more than 30%, capacity surplus between 10%-30%, capacity shortage more than 30%, capacity shortage between 10%-30% and if the difference of capacity is within the range of -10% to +10%.												
Province	District	Facility Type	Net Storage (Ltr) Actual	Net Storage (Ltr) Required	Net Storage (Ltr) Difference	Surplus > 30%	Surplus 10-30%	Match +/- 10%	Shortage 10-30%	Shortage > 30%		
Balochistan	Jaffarabad	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	0	
Balochistan	Naseerabad	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	0	
Balochistan	Pishin	Basic Health Unit	72.00	0.00	72.00	0	0	0	0	0	0	
Balochistan	Qilla Abdullah	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	0	
Balochistan	Quetta	Basic Health Unit	0.00	0.00	0.00	0	0	0	0	0	0	

## CCEM – Storage – Capacity Shirtage +4c

CCEM Reports

**Capacity shortages 4c by area**

Facility Type	Office	Province *	Search							
Basic Health Unit	Province	FATA								
This report provides information about the storage capacity shortages (+4C) at three different levels i.e. National, Provincial and District. It displays actual storage capacity, required storage capacity, difference of actual and required capacity, capacity surplus more than 30%, capacity surplus between 10%-30%, capacity shortage more than 30%, capacity shortage between 10%-30% and if the difference of capacity is within the range of -10% to +10%.										
 										
<b>Capacity shortages 4c by area</b>										
Province	District	Facility Type	Net Storage (Ltrs) Actual	Net Storage (Ltrs) Required	Net Storage (Ltrs) Difference	Surplus > 30%	Surplus 10-30%	Match +/- 10%	Shortage 10-30%	Shortage >30%
FATA	FR Bannu	Basic Health Unit	16.00	8.82	-10.18	2	0	0	0	1
FATA	FR Dera Ismail Khan	Basic Health Unit	0.00	1.40	-1.40	0	0	0	0	1
FATA	FR Kohat	Basic Health Unit				1	0	0	0	1
FATA	FR Lakki Marwat	Basic Health Unit	472.00	4.19	467.81	1	0	0	0	0
FATA	FR Peshawar	Basic Health Unit		3.96		2	0	0	0	0
FATA	Khyber Agency	Basic Health Unit	88.00	1.71	83.29	5	0	0	0	0
FATA	Kurram Agency	Basic Health Unit		1.40		2	0	0	0	0
FATA	Momand Agency	Basic Health Unit	48.00	2.14	42.86	7	0	0	0	1
FATA	NW Agency	Basic Health Unit	28.03	10.25	17.79	1	0	0	0	1
FATA	Orakzai Agency	Basic Health Unit	88.00	2.81	82.19	3	0	0	0	0
FATA	SW Agency	Basic Health Unit	28.66	2.10	26.57	1	0	0	0	0
FATA	Upper Kurram Agency	Basic Health Unit		1.44		11	0	0	0	0

## CCEM – Storage – Cold Box and Vaccine Carrier Capacity

CCEM Reports

**Coldbox And Vaccine Carrier Capacity By Facility**

Facility Type	Office	Province *	District *	Search				
DHQ hospital	District	Punjab	Rawalpindi					
This report provides information about the coldbox and vaccine carrier capacity of facilities at three different levels i.e. National, Provincial and District. It displays net storage capacity, quantity of coldboxes and vaccine carriers in working and non-working condition.								
 								
<b>Coldbox And Vaccine Carrier Capacity By Facility</b>								
Province	District	Tehsil	UC	Facility Name	Facility Type	Net Storage	Quantity Present	Quantity Not Working
Punjab	Rawalpindi	City	U C No. 39	MCH Team Mohna	DHQ hospital	69.6	42	4

## CCEM – Storage – Shortage of Cold Box Transport

CCEM Reports

**Shortages of cold box transport capacity for resupply by area**

<b>Shortages of cold box transport capacity for resupply by area</b>							
Area	Total Facilities	Mode of Vaccine Supply Delivered	Mode of Vaccine Supply Collected	Mode of Vaccine Supply Collected/Delivered	Mode of Vaccine Supply Unknown	No of Facilities with more than 10% shortage	% of Facilities with more than 10% shortage
Federal	40780	30	75	254	4567	10	46.00

## CCEM – Inventory – All Cold Chain Equipments

CCEM Reports

**Inventory List Of All Cold Chain Equipment By Facility**

Level	Search
National	
This report provides information about the inventory of cold chain equipment of warehouses at five different levels i.e. National, Provincial, District, Tehsil/Taluka and Union Council. It displays detail about each item in the inventory.	
No cold chain inventory found at this facility	

## CCEM – Refrigerator and Freezers – By Working Status Facility Type and Area

### CCEM Reports

**Refrigerator/Freezers by Working Status Facility Type and Area**

Facility Type	Office	Province *
DHQ hospital	Province	Sindh

This report provides information about the refrigerators/freezers/ILRs with respect to their working status, facility type and area. It displays total number of refrigerators, quantity of working refrigerators, working percentage, quantity of working refrigerators needs service, percentage of refrigerators need service, quantity not working and not working percentage.

Refrigerator/Freezers by Working Status Facility Type and Area										
Province	District	Facility Type	Equipment Type	Total Refs/Freezers	Working #	Working %	Working Needs Service #	Working Needs Service %	Not Working #	Not Working %
Sindh	Larkana	DHQ hospital	Chest freezer, AC electricity		5	5	100.0	0	0.0	0.0

## CCEM – Refrigerator and Freezers – Models By Working Status

### CCEM Reports

**Refrigerator/Freezers Models by Working Status**

Facility Type	Office
DHQ hospital	Province

This report provides information about the models of refrigerators/freezers/ILRs with respect to their working status. It displays total number of refrigerators of each model, quantity of well working refrigerators, working well percentage, quantity of working refrigerators needs service, percentage of refrigerators need service, quantity not working and not working percentage.

Refrigerator/Freezers Models by Working Status							
Model	Total #	Working Well #	Working Well %	Working Needs Service #	Working Needs Service %	Not Working #	Not Working %

## CCEM – Refrigerator and Freezers – Models By Age Group

### CCEM Reports

**Refrigerator/Freezers Models by Age Group**

Facility Type	Office
DHQ hospital	National

This report provides information about the models of refrigerators/freezers/ILRs with respect to their age group. It displays total number of refrigerators of each model, quantity of refrigerators with age of 0-2 years, percentage of refrigerators with age of 0-2 years, quantity of refrigerators with age of 3-5 years, percentage of refrigerators with age of 3-5 years, quantity of refrigerators with age of 6-10 years, percentage of refrigerators with age of 6-10 years, quantity of refrigerators with age of more than 10 years, percentage of refrigerators with age of more than 10 years, quantity of refrigerators with unknown age and percentage of refrigerators with unknown age.

Refrigerator/Freezers Models by Age Group											
Model	Total #	0-2 Years #	0-2 Years %	3-5 Years #	3-5 Years %	6-10 Years #	6-10 Years %	>10 Years #	>10 Years %	Unknown #	Unknown %
N/A	1	0	0.00	1	100.00	0	0.00	0	0.00	0	0.00
Foster Solo Plus	1	0	0.00	0	0.00	0	0.00	1	100.00	0	0.00
HURREE	1	0	0.00	0	0.00	0	0.00	1	100.00	0	0.00
FOSTER	1	0	0.00	0	0.00	0	0.00	1	100.00	0	0.00
Solo Nova S4L/W	1	0	0.00	0	0.00	0	0.00	1	100.00	0	0.00
15582/1983	1	0	0.00	0	0.00	0	0.00	1	100.00	0	0.00
Chinese	1	1	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Unknown	2	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00
Euromon P21A	2	0	0.00	0	0.00	2	100.00	0	0.00	0	0.00
NIMP15											
A 23680	4	0	0.00	0	0.00	0	0.00	4	100.00	0	0.00

## CCEM – Refrigerator and Freezers Utilization

### CCEM Reports

**Refrigerator/Freezers Utilization**

Facility Type	Office	Province *	District *	Search
Basic Health Unit	District	Punjab	Lahore	

This report provides information about the utilization status of refrigerators/freezers/ILRs with respect to their models. It displays total number of refrigerators of each model, quantity of refrigerators in use, percentage of refrigerators in use, quantity of refrigerators in storage, percentage of refrigerators in storage, quantity of refrigerators not used, percentage of refrigerators not used, quantity of refrigerators with unknown status, percentage of refrigerators with unknown status.

Refrigerator/Freezers Utilization									
Model	Total #	In Use #	In Use %	In Store #	In Store %	Not Used #	Not Used %	Unknown Status #	Unknown Status %

## CCEM – Refrigerator and Freezers – Distribution of CFC Free Cold Chain Equipment By Facility Type

### CCEM Reports

**Distribution of CFC-Free Equipment by Facility Type**

Facility Type	Office	Search
Basic Health Unit	National	

This report provides information about the distribution of CFC-Free Refrigerators/Freezers at each facility type. It displays total number of refrigerators of each facility, total quantity of CFC-Free refrigerators, percentage of CFC-Free refrigerators, quantity of Not CFC-Free refrigerators, percentage of Not CFC-Free refrigerators, quantity of refrigerators with unknown CFC-free status and percentage of refrigerators with unknown CFC-free status.

Distribution of CFC-Free Equipment by Facility Type							
Facility Type	Total #	CFC Free #	CFC Free %	Not CFC Free #	Not CFC Free %	Unknown #	Unknown %
National vaccine store	4	4	100.00	0	0.00	0	0.00
Provincial vaccine store	76	73	96.05	3	3.95	0	0.00
District/Agency vaccine store	583	440	75.47	143	24.53	0	0.00
DHO hospital	45	39	86.67	6	13.33	0	0.00
Teaching hospital	28	20	71.43	8	28.57	0	0.00
Hospital - Private	80	54	67.50	26	32.50	0	0.00
Rural health centre	244	204	83.61	40	16.39	0	0.00
Basic Health Unit	934	803	85.97	131	14.03	0	0.00
Dispensary	253	189	74.70	64	25.30	0	0.00
Tehsil/Town vaccine store	116	99	85.34	17	14.66	0	0.00
Others	187	152	81.28	35	18.72	0	0.00
Civil Hospital CH	70	60	85.71	10	14.29	0	0.00
Community Health Center CHC	60	46	76.67	14	23.33	0	0.00
MCH Center	30	26	86.67	4	13.33	0	0.00
Clinic Private	6	6	100.00	0	0.00	0	0.00
Urban Health Center UHC	3	3	100.00	0	0.00	0	0.00
Tehsil/Taluka HQ Hospital	10	7	70.00	3	30.00	0	0.00

## CCEM – Refrigerator and Freezers – Distribution of Refrigerator and Freezers By Model and Facility Type

## CCEM Reports

### Distribution of Refrigerators/Freezers by Model and Facility Type

Office

Province \*



Search

This report provides information about the distribution of Refrigerators/Freezers by Model and Facility Type at three different levels i.e. National, Province and District. It displays the quantity of refrigerators of particular model at each type of facility.



#### Distribution of Refrigerators/Freezers by Model and Facility Type

Model	District/A vaccine store	Rural health centre	Civil Hospital CH	Basic Health Unit	Tehsil/To vaccine store	Community Health Center CHC	DHQ hospital	Hospital - Private	Provincial vaccine store	Dispensary	MCH Center	Others	Teaching hospital	Tehsil/Ta HQ Hospital	Urban Health Center UHC	Clinic Private	National vaccine store
131	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400-P	7	16	3	17	2	0	1	1	0	6	1	3	1	1	0	0	0
407-A	9	4	0	5	2	1	0	0	0	0	0	1	0	0	1	0	0
9170WBAC	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CF32A	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CF32A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
CP33H	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
DF400P	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
FCW 200	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
FCW 300	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FCW 300	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HBD-116	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HBD-116	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### CCEM – Refrigerator and Freezers – Refrigerator and Freezers Not Working or Need Service

## CCEM Reports

### Refrigerators/Freezers not working or needs service

Facility Type

Office

Province \*




Search

This report provides information about the Refrigerators/Freezers which aren't working or needs service at each facility type. It displays the catalog ID, model, make, net volume, year of supply, working status and equipment utilization.



#### Refrigerators/Freezers not working or needs service

Province	District	Tehsil	UC	Facility Name	Facility Type	Catalog ID	Model	Make	Serial No	Net Vol +4	Net Vol -20	Year of Supply	Working Status	Equipment Utilization
----------	----------	--------	----	---------------	---------------	------------	-------	------	-----------	------------	-------------	----------------	----------------	-----------------------

### CCEM – Refrigerator and Freezers – Refrigerator and Freezers Not in Use

## CCEM Reports

### Refrigerators/Freezers not in use

Office

Province \*



Search

This report provides information about the Refrigerators/Freezers which aren't in use at each facility type. It displays the catalog ID, model, make, net volume, year of supply, working status and equipment utilization.



#### Refrigerators/Freezers not in use

Province	District	Tehsil	UC	Facility Name	Facility Type	Catalog ID	Model	Make	Serial No	Net Vol +4	Net Vol -20	Year of Supply	Working Status
----------	----------	--------	----	---------------	---------------	------------	-------	------	-----------	------------	-------------	----------------	----------------

## CCEM – Cold Boxes – Cold Boxes and Carriers Quantity

CCEM Reports

**Quantity Of Cold Boxes Carriers**

Facility Type	Office	Province *	Search		
Basic Health Unit	Province	Sindh			
<b>Quantity Of Cold Boxes Carriers</b>					
Facility Type	Vaccine Carriers (Min)	Vaccine Carriers (Max)	Vaccine Carriers (Mean)		
Basic Health Unit	1	211	5		

## CCEM – Generators and Stabilizers – Stand By Generators By Facility Type and Working Status

CCEM Reports

**Standby Generators By Facility Type And Working Status**

Facility Type	Office	Province *	Search				
Basic Health Unit	Province	Punjab					
This report provides information about the standby generators with respect to their working status at each facility type. It displays total number of generators, quantity of generators in working condition, percentage of generators in working condition, quantity of generators in working but needs service, percentage of generators in working but needs service, quantity of generators not working and percentage of generators not working.							
Facility Type	Total	Working #	Working %	Working Needs Service #	Working Needs Service %	Not Working #	Not Working %
Basic Health Unit	20	20	100.00	0	0.00	0	0.00

## CCEM – Generators and Stabilizers – Voltage Stabilizers and Regulators Working Status

CCEM Reports

**Voltage Stabilizers And Regulators Working Status**

Facility Type	Office	Province *	Search							
DHQ hospital	Province	Punjab								
This report provides information about the Voltage Stabilizers And Regulators with respect to their working status at each facility type. It displays total number of stabilizers, quantity of generators in working condition, percentage of stabilizers in working condition, quantity of stabilizers in working but needs service, percentage of stabilizers in working but needs service, quantity of stabilizers not working and percentage of stabilizers not working.										
Facility Type	Model Name	Manufacturer	Equipment Type	Total	Working #	Working %	Working Needs Service #	Working Needs Service %	Not Working #	Not Working %
DHQ hospital	SVS 04-22	Sollatek	Stabilizers	2	2	100.00	0	0.00	0	0.00
DHQ hospital	FF500/4R	Advance Galatrek	Stabilizers	1	1	100.00	0	0.00	0	0.00
DHQ hospital	189608	Electro Care	Stabilizers	1	1	100.00	0	0.00	0	0.00
DHQ hospital	SVS	Sollatek	Stabilizers	1	1	100.00	0	0.00	0	0.00
DHQ hospital	SVS Solltex	Micro Processor	Stabilizers	1	1	100.00	0	0.00	0	0.00
DHQ hospital	A-50	Meena Electronic	Stabilizers	1	1	100.00	0	0.00	0	0.00

## 13.8 Graphs Models & Controllers

Inventory Graphs

### 13.8.1 IM Graphs (Comparison Graphs)

#### 13.8.1.1 *Controller: Graphs*

- comparisonGraphs ()

#### 13.8.1.2 *Model: Graphs*

- compGraphOptionYearNational ()
- compGraphOptionGeoProvincial ()
- compGraphOptionGeoDistrict()

#### 13.8.1.3 *Model: ItemPackSizes*

- getAllItemsNonDil()
- getProductName()

#### 13.8.1.4 *Model: Period*

- getTimeIntervals()
- getPeriodById()

#### 13.8.1.5 *Model: ReportOptions*

- getReportDataSql()

#### 13.8.1.6 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()

#### 13.8.1.7 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()

#### 13.8.1.8 ***Model: Locations***

- `getLocationsByLevel()`
- `getLocationsByLevelByProvince()`
- `getLocationById`

## **13.8.2 IM Graphs (Simple Graphs)**

### **13.8.2.1 Controller: Graphs**

- simpleGraphs()

### **13.8.2.2 Model: Graphs**

- simpleGraphOptionYearNational()

### **13.8.2.3 Model: Reports**

- getIndicators()

### **13.8.2.4 Model: ItemPackSizes**

- getAllItemsNonDil()

### **13.8.2.5 Model: Period**

- getTimeIntervals()

### **13.8.2.6 Model: ReportOptions**

### **13.8.2.7 Controller: Index**

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.2.8 Model: Warehouses**

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.2.9 Model: Locations**

- getLocationsByLevel()
- getLocationsByLevelByProvince

## CCEM Graphs

### 13.8.3 CCEM Graphs (Storage-> Capacity at +2° to +8°C)

#### 13.8.3.1 *Controller: Graphs*

- vaccineStorageCapacityAt2to8 ()
- ajaxVaccineStorageCapacityAt2to8()

#### 13.8.3.2 *Model: CcmWarehouses*

- vaccineStorageCapacityAt2to8Graph()

#### 13.8.3.3 *Controller: Index*

- allLevelCombosOne()
- allLevelCombosTwo()

#### 13.8.3.4 *Model: Warehouses*

- getFederalWarehouses()
- getIHRWarehouses()

#### 13.8.3.5 *Model: Locations*

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.4 CCEM Graphs (Storage-> Capacity at -20°C )**

### **13.8.4.1 *Controller: Graphs***

- vaccineStorageCapacityAt20 ()
- ajaxVaccineStorageCapacityAt20()

### **13.8.4.2 *Model: CcmWarehouses***

- vaccineStorageCapacityAt20Graph ()

### **13.8.4.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.4.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.4.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.5 CCEM Graphs (Storage-> Icepack Capacity RI )**

### **13.8.5.1 *Controller: Graphs***

- icepackFreezingCapacityAgainstRoutineRequirements ()
- ajaxIcepackFreezingCapacityAgainstRoutineRequirements()

### **13.8.5.2 *Model: CcmWarehouses***

- icepackFreezingCapacityAgainstSIARequirementsGraph()

### **13.8.5.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.5.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.5.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.6 CCEM Graphs (Refrigerator Freezers-> Refrigerators/Freezers Models By Age Group)**

### **13.8.6.1 *Controller: Graphs***

- refrigeratorsFreezersModelsByAgeGroup ()
- ajaxRefrigeratorsFreezersModelsByAgeGroup()

### **13.8.6.2 *Model: CcmModels***

- getRefrigeratorModelsByAgeGroupReport ()

### **13.8.6.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.6.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.6.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.7 CCEM Graphs (Refrigerator Freezers-> Refrigerators/Freezers Utilization)**

### **13.8.7.1 *Controller: Graphs***

- refrigeratorsFreezersUtilization ()
- ajaxRefrigeratorsFreezersUtilization()

### **13.8.7.2 *Model: CcmModels***

- refrigeratorFreezersUtilizationGraph()

### **13.8.7.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.7.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.7.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.8 CCEM Graphs (Cold Boxes-> Coldbox and Vaccine Carriers Working Status)**

### **13.8.8.1 *Controller: Graphs***

- coldboxAndVaccineCarriersByWorkingStatus ()
- ajaxColdboxAndVaccineCarriersByWorkingStatusAction ()

### **13.8.8.2 *Model: CcmModels***

- coldboxAndVaccineCarriersByWorkingStatusGraph ()

### **13.8.8.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.8.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.8.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.9 CCEM Graphs (Cold Boxes-> Cold Boxes/Carriers Qunty)**

### **13.8.9.1 *Controller: Graphs***

- quantityOfColdBoxesCarriers ()
- ajaxQuantityOfColdBoxesCarriers()

### **13.8.9.2 *Model: CcmModels***

- quantityOfColdBoxesCarriersGraph ()

### **13.8.9.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.9.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.9.5 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.10 CCEM Graphs (Generators Stabilizers-> Refrigerators With Stabilizers)**

### **13.8.10.1 *Controller: Graphs***

- electricRefrigeratorsEquippedWithVoltageStabilizers ()
- ajaxElectricRefrigeratorsEquippedWithVoltageStabilizers()

### **13.8.10.2 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.10.3 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.10.4 *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## **13.8.11 CCEM Graphs (Generators Stabilizers-> Working Status of Standby Generator By Model)**

### **13.8.11.1 *Controller: Graphs***

- workingStatusOfStandbyGeneratorByModel ()
- ajaxWorkingStatusOfStandbyGeneratorByModel()

### **13.8.11.2 *Model: CcmModels***

- standbyGeneratorsByFacilityTypeAndWorkingStatusGraph()

### **13.8.11.3 *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

### **13.8.11.4 *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

### **13.8.11.5 *Model: Locations***

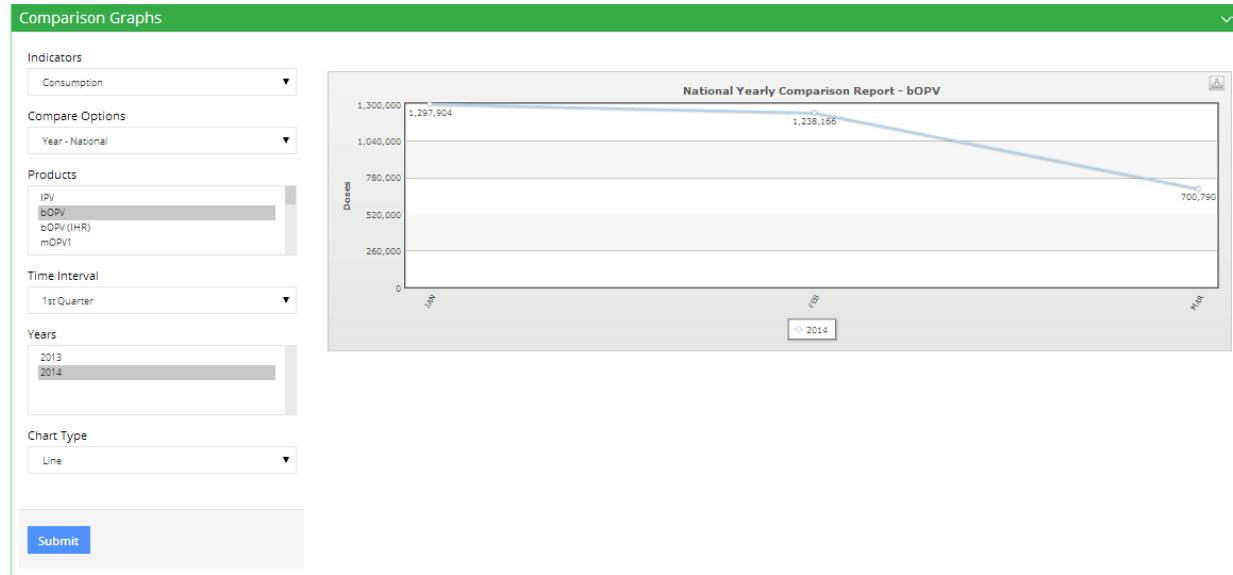
- getLocationsByLevel()
- getLocationsByLevelByProvince



## 13.9 Screens

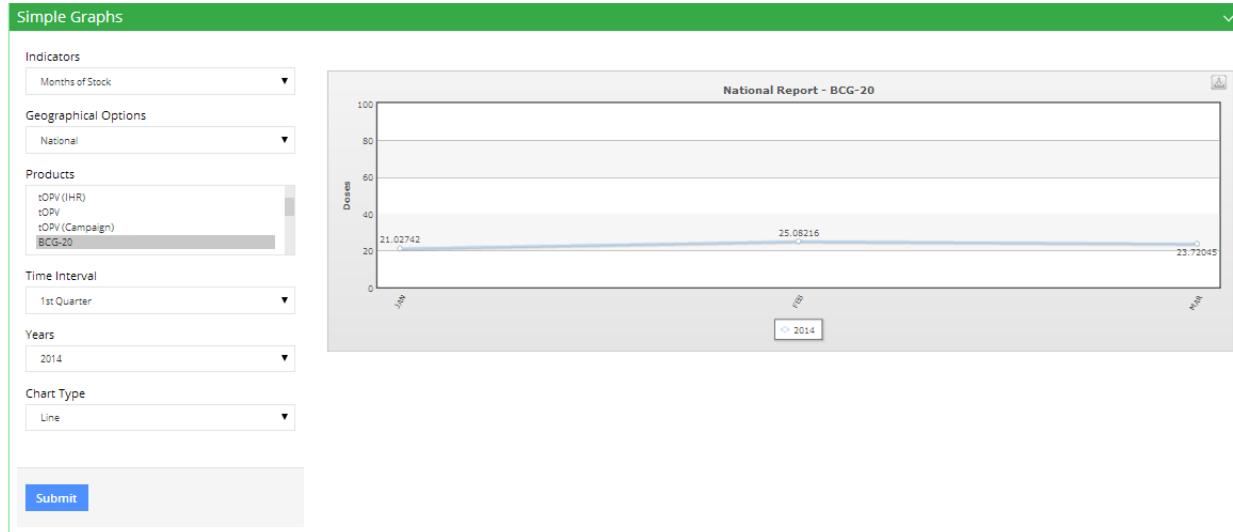
### IM Graphs – Comparison Graphs

IM Graphs



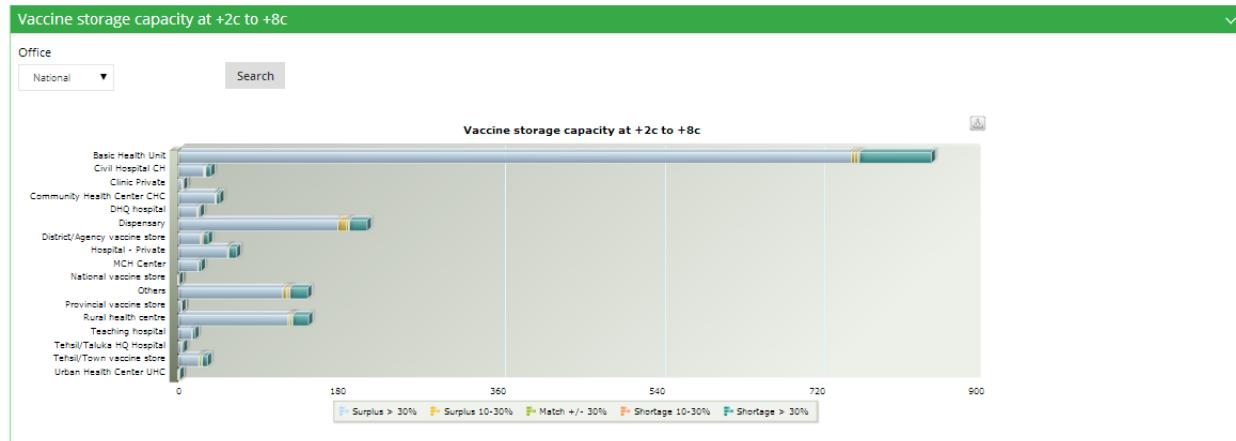
### IM Graphs – Simple Graphs

IM Graphs



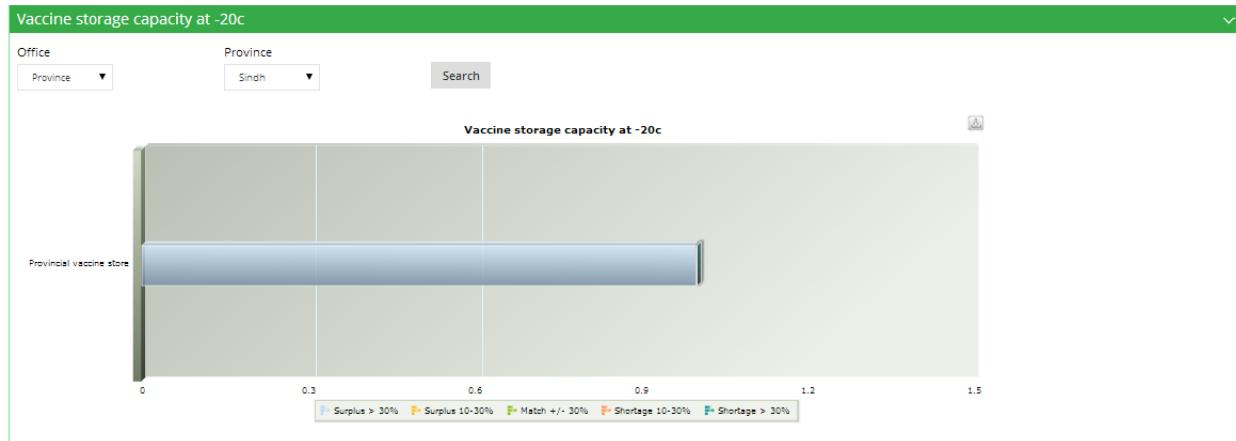
## CCEM Graphs – Storage – Capacity at +2c to +8c

CCEM Graphs



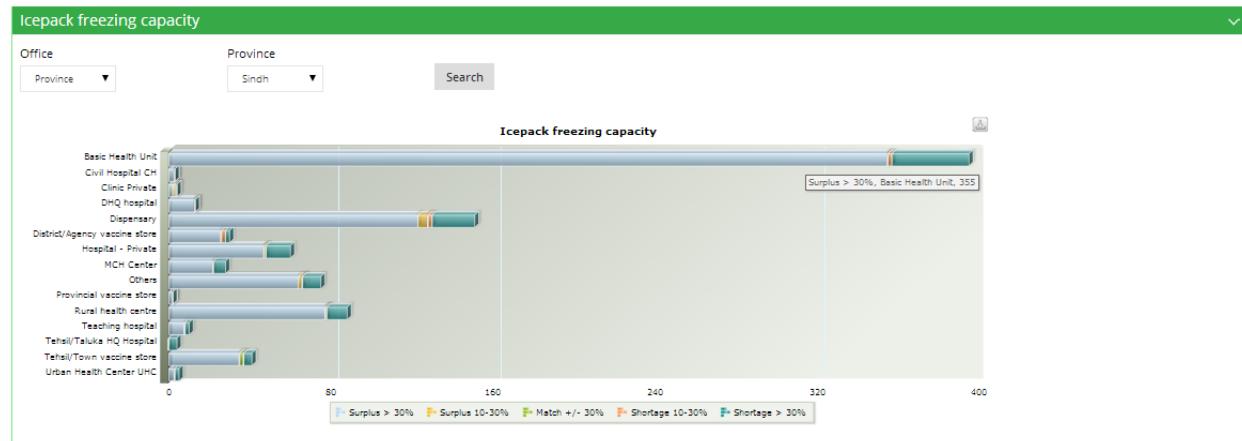
## CCEM Graphs – Storage – Capacity at -2c

CCEM Graphs



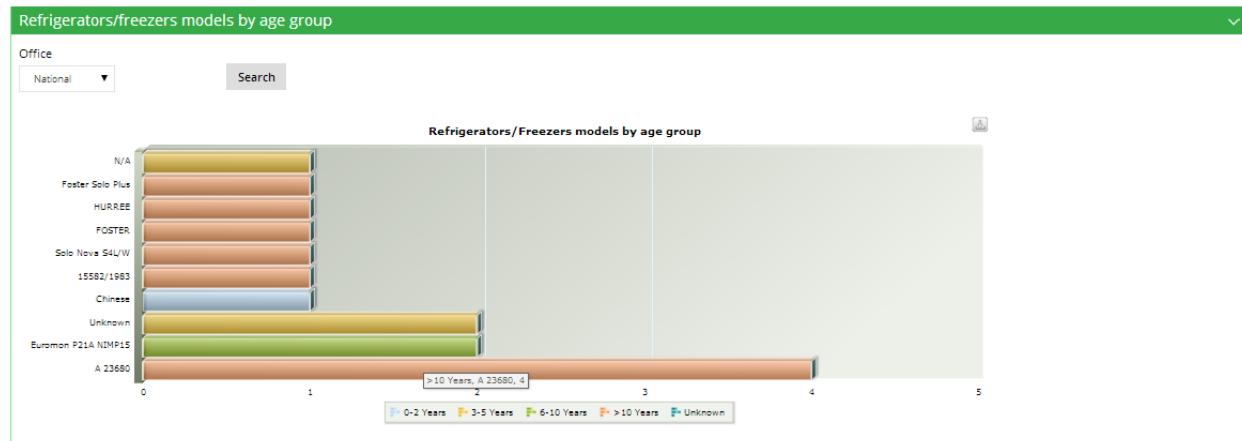
## CCEM Graphs – Storage – Icepack Capacity (IR)

## CCEM Graphs



## CCEM Graphs – Refrigerators and Freezers - Refrigerators and Freezers Model By Age Group

### CCEM Graphs



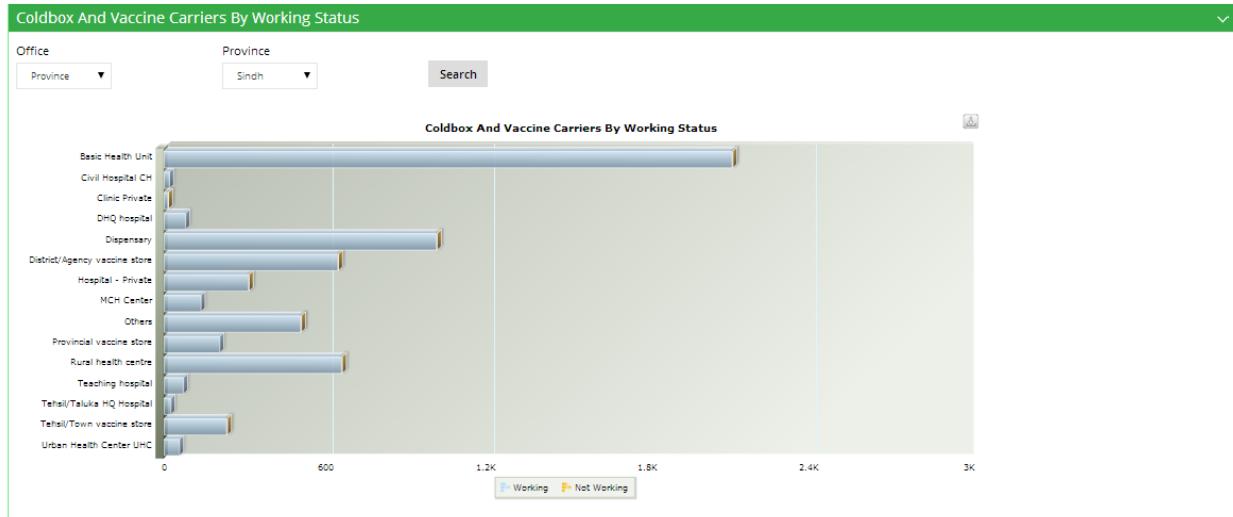
## CCEM Graphs – Refrigerators and Freezers - Refrigerators and Freezers Utilization

### CCEM Graphs



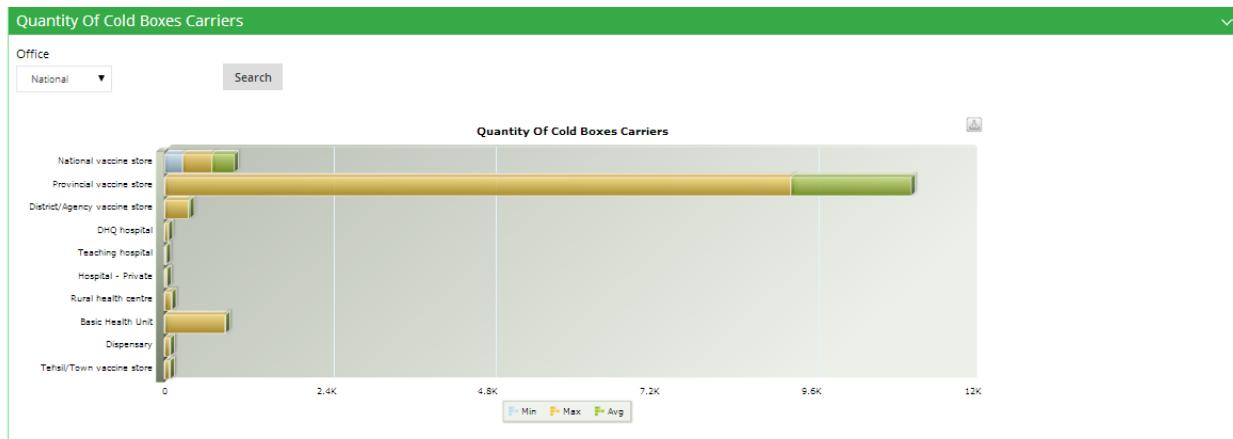
## CCEM Graphs – Cold Boxes - Cold Boxes and Vaccine Carriers Working Status

CCEM Graphs



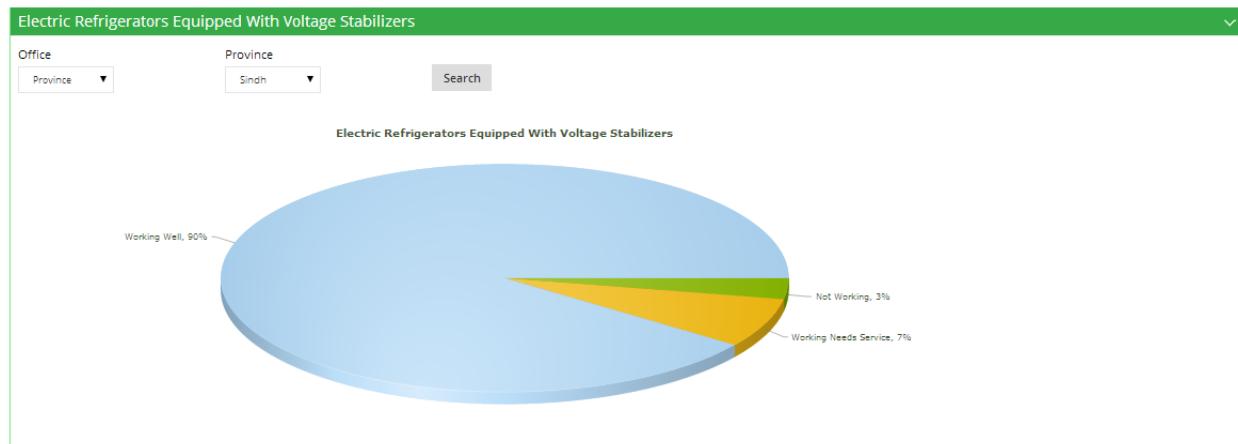
## CCEM Graphs – Cold Boxes - Cold Boxes and Vaccine Carriers Quantity

CCEM Graphs



## CCEM Graphs – Generators and Stabilizers – Refrigerators with Stabilizers

## CCEM Graphs



## CCEM Graphs – Generators and Stabilizers – Working Status of Stand By Generators By Model

### CCEM Graphs



## **13.10      Explorer Models & Controllers**

### **13.10.1      vLMIS Explorer**

#### **13.10.1.1      *Controller: Stock***

- explorer ()
- ajaxExplorer()
- ajaxReportCombo()

#### **13.10.1.2      *Model: WarehousesData***

- getExplorerReport ()
- getMonthYearByWarehouseId()

#### **13.10.1.3      *Model: Reports***

- getLastCreatedDate ()

#### **13.10.1.4      *Controller: Index***

- allLevelCombosOne()
- allLevelCombosTwo()

#### **13.10.1.5      *Model: Warehouses***

- getFederalWarehouses()
- getIHRWarehouses()

#### **13.10.1.6      *Model: Locations***

- getLocationsByLevel()
- getLocationsByLevelByProvince

## 13.11 Screens

### vLMIS Explorer

LMIS Explorer

Office *	Province	Store	View Monthly Report for							
District	Punjab	District Lahore Store								
Monthly Report (Jun-2014) - Last Reporting date : 23/10/2014										
<a href="#">X</a>										
Product	Opening Balance (Doses)	Received (Doses)	Issued (Doses)	Adjustment + (Vials)	Adjustment - (Vials)	Closing Balance (Doses)				
AD Syringe 0.05ml	0	0	0	0	0	0				
AD Syringe 0.5ml	1,600	0	0	0	0	1,600				
BCG-20	22,200	0	0	0	0	22,200				
bOPV	5,814,040	76,000	0	0	0	5,880,040				
bOPV (IHR)	0	0	0	0	0	0				
IPV	0	0	0	0	0	0				
Measles-10	57,400	0	0	0	0	57,400				
Measles-10 (Campaign)	0	0	0	0	0	0				
mOPV1	3,162,800	1,789,000	0	0	0	4,951,800				
Pentavalent-1	25,300	0	0	0	0	25,300				
pneumococcal-2 (PCV10)	25,400	0	0	0	0	25,400				
Recon. Syr 2ml	2,200	0	0	0	0	2,200				
Recon. Syr 5ml	200	0	0	0	0	200				
Safety Box	6,625	0	0	0	0	6,625				
tDPV	37,000	0	0	0	0	37,000				
tDPV (Campaign)	0	0	0	0	0	0				
tDPV (IHR)	0	0	0	0	0	0				
TT-10	0	0	0	0	0	0				
TT-20	38,300	0	0	0	0	38,300				

# 14. DATABASE FUNCTIONS, STORE PROCEDURES & TRIGGERS

## 14.1 Functions

- AdjustQty  
**Purpose:** Adjust the store quantity in transaction table.  
**Use In:** Model ->StockBatch  
Controller->StockController
- GetIllegalWastageofDistrict  
**Purpose:** Get the wastages of vaccines in district.  
**Use In:** Model ->WarehousesData
- getMonthlyRcvQtyWH  
**Purpose:** Return receives of warehouse for the month.  
**Use In:** Model ->ItemPackSizes, Warehouses  
Helper->ExplorerReport, Reports
- getMosColor  
**Purpose:** Return the color code for the stock status.  
**Use In:** Helper->Reports
- GetPicked  
**Purpose:** Get picked quantity for location.  
**Use In:** Model ->StockMaster
- GetPlaced  
**Purpose:** Get placed quantity for location.  
**Use In:** Model ->StockMaster
- getStkItemCount                    //Not using anywhere.  
**Purpose:**
- GetUnplacedBatches              //Not using anywhere.  
**Purpose:** Return batches which are unplaced.

- GetVacdoses //Not using anywhere.  
**Purpose:** Return number of doses in vaccine.
- getWarehouseType //Not using anywhere.  
**Purpose:** Return type of warehouse.
- ReceiveStockAtUC  
**Purpose:** Return the stock received at the UC level.  
**Use In:** Model ->WarehousesData  
Controller->StockController
- REPgetAvailabilityRateStr //Not using anywhere.  
**Purpose:** Stock availability rate.
- REPgetCB  
**Purpose:** Return closing balance (SOH) for the provided level.  
**Use In:** Model ->Graph, WarehousesData  
Helper->Reports
- REPgetCB\_copy //Repeat  
**Purpose:**
- REPgetCBWHData //Not using anywhere.  
**Purpose:**
- REPgetConsumption  
**Purpose:** Return consumption.  
**Use In:** Model ->Geo, WarehousesData  
Helper->Reports
- REPgetConsumptionAVG  
**Purpose:** Average monthly consumption  
**Use In:** Model ->Geo, WarehousesData  
Helper->Reports
- REPgetConsumptionAVGMap //Not using anywhere.  
**Purpose:** Used for Map

- REPGetData  
**Purpose:** Take parameter l return the requested data (Cons, Avg, SOH).  
**Use In:** Helper->Reports
- REPgetMapConsumption //Not using anywhere.  
**Purpose:** Used to get for Maps.
- REPgetMapData //Not using anywhere.  
**Purpose:**
- REPgetMOS  
**Purpose:** Return month of stock.  
**Use In:** Model->Geo  
 Helper->Reports
- REPgetReportingRateStr  
**Purpose:** Return reporting rate for the requested level  
**Use In:** Helpers->GetReportingRateStr, Reports
- REPgetRR  
**Purpose:**  
**Use In:** Model->Graphs
- REPgetRR\_copy //Repeat  
**Purpose:**
- REPgetTotalUCs //Not using anywhere.  
**Purpose:** Will return total number of UCs in the requested location
- REPgetTransWHData //Not using anywhere.  
**Purpose:** Update transaction in warehouse data.
- REPgetWastage  
**Purpose:** Return the wastages percentage.  
**Use In:** Model->Graphs, WarehousesData

- REPUpdateCapacity
  - Purpose:** It will update the capacity in warehouses.
  - Use In:** Model->CcmColdRooms, ColdChain
- REPUpdateCarryForward
  - Purpose:** Use the update “Wh\_data” if any changes are occurred in previous months.
  - Use In:** Model->WarehousesData
- REPUpdateData //Not using anywhere.
  - Purpose:** Update transaction data.
- REPUpdateDataCampaign
  - Purpose:** Update campaign data.
  - Use In:** Model->Campaigns
  - Controller->ManageCampaignsController
- REPUpdateRequirement //Not using anywhere.
  - Purpose:** Will update the cold chain requirements in warehouse.
- UTILgetLimitParam //Not using anywhere.
  - Purpose:** Will return data entry of start data for the system.

## 14.2 Store Procedures

- REPUpdateSummaryDistrict //Not using anywhere.  
**Purpose:** Will update district summary table.
- REPUpdateSummaryNational //Not using anywhere.  
**Purpose:** Will update summary table.
- REPUpdateSummaryProvince //Not using anywhere.  
**Purpose:** Will update summary table.
- REPUpdateSummaryTehsil //Not using anywhere.  
**Purpose:** Will update summary table.
- REPUpdateSummaryUC //Not using anywhere.  
**Purpose:** Will update summary table.

## **14.3 Triggers**

### **14.3.1 Summary\_districts**

Name	Fires	Insert	Update	Delete
Update Province Summary Table Insert	After	No	Yes	Yes
Update Province Summary Table Update	After	Yes	No	Yes
Update Province Summary Table Delete	After	Yes	Yes	No

#### **14.3.2 Summary\_provincial**

<b>Name</b>	<b>Fires</b>	<b>Insert</b>	<b>Update</b>	<b>Delete</b>
Update National Summary Table Insert	After	No	Yes	Yes
Update National Summary Table Update	After	Yes	No	Yes
Update National Summary Table Delete	After	Yes	Yes	No

### **14.3.3 Summary\_tehsill**

<b>Name</b>	<b>Fires</b>	<b>Insert</b>	<b>Update</b>	<b>Delete</b>
Update District Summary Table Insert	After	No	Yes	Yes
Update District Summary Table Update	After	Yes	No	Yes
Update District Summary Table Delete	After	Yes	Yes	No

#### **14.3.4 Summary\_union\_council**

Name	Fires	Insert	Update	Delete
Update Tehsil Summary Table Insert	After	No	Yes	Yes
Update Tehsil Summary Table Update	After	Yes	No	Yes
Update Tehsil Summary Table Delete	After	Yes	Yes	No