

पकलदुल जल विद्युत परियोजना (1000 मगावाट) / Pakaldul Hydroelectric Project (1000 MW)

दैनिक प्रगति रिपोर्ट / Daily Progress Report Power House as on 01.02.2023

| Activity Code | Area of Activity | Unit | Total Qty. | Actual date of start | Actual date of finish | Schedule date of start as per approved Integrated construction schedule | Scheduled date of finish as per approved integrated construction schedule | Anticipated Completion | Progress (upto last Month) | Monthly Target (Feb-23) | Monthly Progress | Days progress | Cumulative progress | Balance Qty. | Remarks |
|--|--|------|------------|----------------------|-----------------------|---|---|------------------------|----------------------------|-------------------------|------------------|---------------|---------------------|--------------|---|
| Power House Construction | | | | | | | | | | | | | | | |
| 2PH1536/ 2PH1618/ 2PH4110 | Power House Machine Hall Concreting incl Control block & Service bay | Cum | 54000 | 1/12/2021 | | 2/16/2021 | 1/10/2023 | | 9694 | 2348 | 0 | 0 | 9694 | 44306 | CB: raft concreting at EL 1245.09/03/22, EL 1240.5 04/04/22, EL 1246.5 18/07/22, EL 1251 28/10/2022 completed and EL 1249 to 1251 staging for slab under progress PH unit-1: (along B-line) El 1248.1 to 1249.6 column reinforcement & shuttering, (along D-line) El 1262.7 to 1264.3 concrete & reinforcement under progress PH unit-2: (along D-line) El 1261 to 1262.5 column concrete, (along B-line) 1241.95 to 1243.55 column shuttering under progress PH unit-3: (along D-line) El 1245.2 to 1247.6 concrete of wall & column under progress |
| Transformer Hall cavern and Bus ducts | | | | | | | | | | | | | | | |
| 2PH 3351 | Concreting of all 4nos. of Bus ducts | Cum | 2800 | 04.06.2021 | | 8/28/2022 | 2/20/2023 | | 2169 | 631 | 0 | 0 | 2169 | 631 | BD-4 crown reinforcement and shuttering work under progress |
| Surge Shaft & Surge Gallery | | | | | | | | | | | | | | | |
| 2PH1134 | Upper Surge Gallery-1 towards SS-1 | mtr. | 78 | 01.02.2022 | | 10.01.2022 | 14.04.2023 | | 58 | 30 | 0 | 0 | 58.00 | 20.00 | on Hold |
| | Upper Surge Gallery-1 towards Portal | mtr. | 179 | 21.05.2022 | | | | | 75.6 | | 0.0 | 0.0 | 75.60 | 103.40 | |
| 2PH1135 | Upper Surge Gallery-2 towards portal | mtr | 186 | 28.10.2022 | | 31.03.2022 | 01.10.2023 | | 43.4 | 30 | 0.0 | 0.0 | 43.40 | 142.60 | |
| | Upper Surge Gallery-2 towards SS-2 | mtr | 71 | 11/30/2022 | | | | | 20.4 | | 0.0 | 0.0 | 20.40 | 50.60 | |
| 2PH1131 | Reaming of Surge Shaft-1 (600mm dia) | mtr | 200 | 06.04.2022 | | 03.09.2021 | 25.06.2023 | | 97.55 | 75 | 0.0 | 0.0 | 97.55 | 102.45 | |
| Pressure Shaft | | | | | | | | | | | | | | | |
| 2PH4035 | Slashing of PS-4 | mtr | 291 | 16.10.2022 | - | 1/8/2022 | 12/4/2022 | | 34.1 | 35 | 0.0 | 0.0 | 34.1 | 256.9 | |
| 2PH4055 | Slashing of PS-3 | mtr. | 291 | 13.11.2022 | | 4/5/2022 | 3/1/2023 | | 39 | 35 | 0.0 | 0.00 | 39.00 | 252.00 | |
| | Pilot hole drilling of PS-2 | mtr | 291 | 07.01.2023 | | 6/14/2022 | 5/10/2023 | | 99 | 110 | 0.00 | 9.0 | 99.00 | 192.00 | Pilot hole drilling of PS-2 initially completed on 24.12.2022 but due to deviation re-drilling started on 07.01.2023 |
| | Backfilling concreting of Horizontal portion of PS-1 | Cum | 4228.6 | 21.09.2022 | | 4/4/2022 | 6/8/2023 | | 350 | 100 | 0.00 | 0.0 | 350.00 | 3878.60 | |
| | Backfilling concreting of Horizontal portion of PS-2 | Cum | 3472 | 25.08.2022 | | 4/4/2022 | 4/29/2023 | | 1350 | 400 | 0.00 | 0.0 | 1350.00 | 2122.00 | |
| Valve House | | | | | | | | | | | | | | | |
| 2PH7540 | Excavation of Valve House | Cum | 17000 | | | 9/1/2021 | 9/26/2022 | | 9065 | 3500 | 0 | 0 | 9065 | 7935 | |
| Cable/Ventilation Tunnel | | | | | | | | | | | | | | | |
| 2PH7800 | Excavation of VT/Cable Tunnel. | mtr. | 198 | 04.08.2020 | | 04.07.2022 | 10.11.2023 | | 46.5 | | 0 | 0 | 46.50 | 151.500 | Balance Excavation will be carried out from switchyard side after reaching the required level of CVT portal |
| Pot head and Switch yard | | | | | | | | | | | | | | | |
| 2PH7720 | Pot head and Switch yard Open Excavation at EL 1300m | cum | 95000 | - | | 03.11.2020 | 01.12.2022 | | 47692.5 | 2600 | 0 | 0 | 47692.50 | 47307.50 | |

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दैनिक प्रगति रिपोर्ट / Daily Progress Report of Dam Package as on 01.02.2023

| Activity Code | Area of Activity | Unit | Total Qty. | Actual date of start | Scheduled date of start as per approved integrated construction | Scheduled date of completion as per approved integrated construction schedule | Progress (upto last Month) | Monthly Target (Feb-23) | Monthly Progress | Days progress | Cumulative progress | Balance Qty. | Remarks |
|--|--|------|------------|----------------------|---|---|----------------------------|-------------------------|------------------|---------------|---------------------|--------------|---|
| DAMSP110A | Tunnel Spillway 1 Heading (from outlet side) | Mtr | 456 | 8/17/2022 | 4/15/2022 | 10/1/2022 | 200.5 | 60 | 0 | 0 | 200.5 | 255.5 | |
| - | Haulage Road tunnel-1 | Mtr | 382 | 8/11/2022 | - | - | 202 | 50 | 2 | 2 | 204 | 178 | |
| Head Race Tunnels | | | | | | | | | | | | | |
| DAMRT160/170 | Excavation of HRT-1 | mtr. | 2034.2 | 02.01.2021 | 08.04.2020 | 11.09.2023 | 1564 | 60 | 2.0 | 2 | 1565.5 | 468.7 | |
| DAMRT140/150 | Excavation of HRT-2 | mtr. | 2082.6 | 17.03.2020 | 29.11.2019 | 16.08.2023 | 1705 | 60 | 0.0 | 0.0 | 1705.0 | 377.6 | |
| DAMRT190 | Excavation of future HRT | mtr. | 300 | 06.04.2022 | 21.06.2022 | 28.11.2022 | 257 | 30 | 0 | 0 | 257.0 | 43.0 | |
| DAMRT260 | Concrete lining of HRT-2 | mtr | 2082.6 | 28.09.2022 | 01.07.2023 | 17.11.2023 | 396 | 108 | 0 | 0 | 396 | 1687 | |
| Coffer Dam | | | | | | | | | | | | | |
| Permeation Grouting | | | | | | | | | | | | | |
| DAMD150 | D/s Drilling hole | nos | 198 | 10.04.2022 | 11.11.2021 | 14.04.2022 | 61 | 60 | 1 | 1 | 62 | 136 | Earlier 85nos of excluded due to change in depth |
| DAMD150 | D/s Preameation Grouting | nos | 198 | 10.04.2022 | 11.11.2021 | | 46 | 50 | 2 | 2 | 48 | 150 | Earlier 16nos of excluded due to change in depth |
| Embankment filling | | | | | | | | | | | | | |
| DAMD120 | U/s Embankment Filling | Cum | 385000 | 16.11.2021 | 16.11.2021 | 14.04.2022 | 185887 | 25000 | 600 | 600 | 186487 | 198513 | |
| DAMD150 | D/s Embankment Filling | Cum | 35000 | 16.11.2021 | 11.11.2021 | 14.04.2022 | 29510 | - | 0 | 0 | 29510 | 5490 | |
| CFRD | | | | | | | | | | | | | |
| DAMFRD150 | Excavation in cut off wall area (river bed excavation) is being done to remove the sand lenses upto EL 1523 | Cum | 560000 | 10.02.2022 | 16.03.2022 | 09.01.2023 | 441501 | 60000 | 1100 | 1100 | 442601 | 117399 | |
| DAMFRD200 | Rock filling of CFRD | Cum | 7546000 | 21.03.2022 | 14.06.2022 | 13.06.2024 | 706933 | 150000 | 2400 | 2400 | 709333 | 6836667 | Filling of 3B and 3C material is in progress |
| (Surface Excavation) Common and Rock Excavation Qty | | | | | | | | | | | | | |
| INT110/INT100 | Power Intake Structure incl. Gate shaft platform | cum | 377500 | 05.04.2019 | 01.04.2019 | 20.06.2022 | 202246 | 10000 | 0 | 0 | 202246 | 175254 | Presently, excavation between EL1706 and 1696M is in progress. Vertical shaft of 91m depth for HRT 1 started from El 1706M and 6m excavation has been completed. |
| TSP 130 | Tunnel Spillways Outlet, Inlet and Gate Shaft Platform | cum | 320000 | 01.07.2019 | 13.12.2018 | 26.06.2022 | 155865 | 10000 | 0 | 0 | 155865 | 164135 | The excavation and support in tunnel spillway gate shaft area is underway at EL1687M. Two nos. 72m depth shafts to start from EL 1660 M. Excavation and support incl cable tendon installation under progress between |
| SSP100 | Surface Spillway | cum | 763000 | 01.05.2019 | 27.11.2018 | 09.10.2022 | 317471 | 20000 | 0 | 0 | 317471 | 445529 | Excavation at EL 1721/1704 |

| DPR (HRT TBM Package) | | 01.02.2023 | |
|--|---|--|------------------------------|
| 1 TBM Adit Portal Works | | | |
| Excavation completed upto EL 1535 m from RD 70 to 200 m. | | | |
| 2 Cut slope Protection and Removal of slided muck | | | |
| | Activity | Status | |
| A | Rock support from EL 1595 m to EL 1615 m | | |
| i) | SDA (32 mm dia, 24m length) installed | For day= 02 | Total 165 nos SDAs installed |
| ii) | SDA (32 mm dia, 24m length) Grouted | For day= 15 nos grouted & 60 sqm wiremesh fixed. | total 150 nos grouted |
| B | Removal of slided Muck/breaking of large boulders | 36 cum boulders breaking and shifted to land no. 6&7. 8 cum manual muck cleaned. | |
| | Note: | | |
| 3 Excavation of Adit-1 | | | |
| | Activity | Status | |
| i) | Excavation of Adit-1 (RM) | For day= bottom excavation done with breaker for rib erection. | Cumulative= 1.5 m |
| ii) | Ribs installation | For day= shuttering fixed for backfill concrete and shotcrete 8 cum done. | Cumulative= 12 sets of rib |
| iii) | Backfill | 6 cum concrete poured. | |
| | Note: Excavation of Adit-1 has been started on 14.01.23. Rib installation for false portal started on 16.01.23. | | |
| 4 TBM Assembly & development of Establishment Facility at EL 1535 m | | | |
| | For Adit 01- TBM (Marsu): | | |
| | 1. TBM-01 Assembly started on dated 07.12.2022. | | |
| | 2. front shield along with main drive has been assembled. Alignment check of outer telescopic shields completed and welding is in progress. Further, Erection of Gantry-03,04, 05 & 06 in progress. Welding of cutter head parts is in progress. Gripper shield parts assembly started. | | |
| | 3. Other associated works as water supply arrangement, DG installation etc. are also in | | |
| Status | | | |
| 5 Segments Casting Yard | | | |
| | | day progress (nos) | Cumulative Progress |
| | Segments casted for Adits (M25 grade) | 30 | 489 |
| Note | | | |
| 6 Crusher plant (100 TPH) | | | |
| | | Day progress(MT) | Cumulative |
| i) | Quantity shifted from Dumping area (approx.) | 525 | 10695 MT |
| ii) | Boulders feeded for Crushing (approx.) | 250 | 9845 MT |
| iii) | Aggregate Production (approx.) | 125 | 5030 MT |
| iv) | Sand Production (approx.) | 64 | 2470 MT |
| Note:- | | | |

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दैनिक प्रगति रिपोर्ट / Daily Progress Report of HM Package as on 01.02.2023

| Activity Code | Area of Activity | Unit | Total Qty. | Actual date of start | Schedule date of start as per approved Integrated construction schedule | Scheduled date of completion as per approved integrated construction schedule | Anticipated Completion | Progress (upto last Month) | Monthly target (Feb-23) | Monthly Progress Achievement | Days progress Achievement | Cumulative progress | Balance Qty. | Remarks |
|--|---|------|------------|----------------------|---|---|------------------------|----------------------------|-------------------------|------------------------------|---------------------------|---------------------|--------------|---------|
| Pressure Shaft Steel Liner Erection | | | | | | | | | | | | | | |
| 4HM81 | Lower Horizontal Portion, 2.9 dia Including Connection with MIV -PS2B | mtr. | 54.6 | - | 31.08.2022 | 29.11.2022 | | - | 10 | - | - | - | 54.6 | |
| 4HM10 | Top Horizontal Portion, PS1 | mtr. | 211.43 | 21.09.2022 | 31.03.2022 | 04.06.2023 | | 22.5 | 7.5 | 0 | 0 | 22.5 | 188.9 | |
| 4HM16 | Top Horizontal Portion, PS2 | mtr. | 173.66 | 25.08.2022 | 31.03.2022 | 22.04.2023 | | 67.5 | 20 | 0 | 0 | 67.5 | 106.2 | |

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दैनिक प्रगति रिपोर्ट / Daily Progress Report E&M as on 01.02.2023

| Activity Code | Area of Activity | Schedule date of start as per approved Integrated construction schedule | Actual date of start | Scheduled date of finish as per approved integrated construction schedule | Actual date of finish |
|----------------------|--|--|---|--|---|
| 3EM054 | PH Service bay earthing | 11/19/2020 | 12/2/2020 | 12/14/2020 | 12/10/2020 |
| 3EM055 | Earthing in GT Interconnecting tunnel | 4/28/2021 | 5/10/2021 | 5/6/2021 | 5/18/2021 |
| 3EM056 | Earthing in Busduct tunnels 1 & 2 | 5/24/2021 | 5/24/2021 | 5/31/2021 | 5/31/2021 |
| 3EM057 | Earthing in Transformer Cavern Phase-I (CT to BD-2) | 6/2/2021 | 29/06/2021 16/09/2021 | 7/6/2021 | 19/07/2021 (upto BD-1) 05/10/2021 (BD-1 to BD-2) |
| 3EM058 | Earthing in Transformer Cavern Phase-II (BD-2 to BD-4) | 11/30/2021 | 03/01/2022 05/03/2022 11-08-2022 (grid 17-21) | 1/5/2022 | 25/01/2022(Grid 9 to 13) 21/03/2022(Grid 14 to 17) 18/08/2022 (Grid 17 to 21) |
| 3EM059 | Earthing in Busduct tunnels 3 & 4 | 11/30/2021 | 2/4/2022 | 1/4/2022 | 09/03/2022 (BD-3) 08/08/2022 (BD-4) |
| 3EM060 | MIV Service bay earthing | 5/4/2021 | 4/20/2021 | 5/9/2021 | 5/9/2021 |
| 3EM066 | Earthmat erection in Unit#1 | 3/13/2022 | 3/8/2022 | 4/17/2022 | 3/28/2022 |
| 3EM067 | Earthmat erection in Unit#2 | 4/17/2022 | 3/21/2022 | 5/24/2022 | 4/18/2022 |
| 3EM068 | Earthmat Erection in Unit#3 | 5/24/2022 | 9/4/2022 | 6/27/2022 | 12.09.2022 |
| 3EM064 | Control block earthing | 2/21/2022 | 28/01/2022 (EI 1246.5) 26/02/2022 (EI 1240.5) | 3/9/2022 | 28/01/2022 11/02/2022 |
| 3EM071 | Erection of PH crane-1 | 11/21/2021 | 9/1/2021 | 1/19/2022 | 11/15/2021 |
| 3EM077 | MIV EOT Crane Erection | 9/10/2022 | 9/12/2022 | 12/9/2022 | 9/26/2022 |
| 3EM061 | Earthmat laying in 25m length of MIV connecting tunnel | 6/1/2022 | 7/22/2022 | 7/7/2022 | 26.07.2022 |
| 3EM083 | Draft tube Unit-1 Erection | 5/27/2022 | 7/14/2022 | 7/26/2022 | 30.08.2022 |
| 3EM084 | Draft tube Unit-2 Erection | 7/26/2022 | 8/3/2022 | 9/24/2022 | 20.09.2022 |
| 3EM085 | Draft tube Unit-3 Erection | 9/24/2022 | 11/22/2022 | 11/23/2022 | 1/11/2023 |