

PERFORMANCE REPORT FOR MECHANICAL EQUIPMENT

- (1) Name of the item :
- (2) Name of the manufacturer :
- (3) Mine/ company where the equipment was in use :
- (4) Period of use/whether continuing/discontinued :
- (5) Life achieved so far :
- (6) General performance so far :

Detailed report for different items (Strikeout which is not applicable)

- (1) Rope –
 - (i) Degree of wear,
 - (ii) Corrosion,
 - (iii) Stretch,
 - (iv) Internal lubrication
 - (v) General workmanship
 - (vi) Diameter etc.

- (2) Suspension gears –
 - (i) Wear of pins
 - (ii) Interchangeability with the connecting members
 - (iii) Workmanship
 - (iv) Corrosion
 - (v) Surface finish
 - (vi) Problem in dismantling and assembling
 - (vii) Dimension
 - (viii) Surface and subsurface flaws

(3) F.R.H.F.

- (1) Effect on the torque
- (2) Viscosity
- (3) Water content
- (4) Temperature rise
- (5) Consumption pattern
- (6) Effect on hose failure
- (7) Compatibility with seals & pumps
- (8) Effect on the working pressure

(4) High Pressure hose

- (i) Outside dia & Bore as per standard,
- (ii) History of failure,
- (iii) Quality of end fittings,
- (iv) Interchangeability
- (v) Life obtained
- (vi) Leakage from the crimped joints etc.

(5) Man Riding haulage/system

- (i) Effectiveness of hydraulic brake of the man riding car
- (ii) Effectiveness of signalling from the car to the engine house,
- (iii) Effective brake of the haulage engine,
- (iv) Condition of rope
- (v) Rope attachment with the car
- (vi) Seating capacity & comfort
- (vii) Distance indicator
- (viii) General performance.

(6) Automatic contrivance/power brake/speed recording/emergency steam stop valve (Delete which is not applicable)

- (1) Functioning during overspeed
- (2) Functioning during slow banking
- (3) Functioning during overwinding
- (4) Mechanical linkage between power brake and contrivance
- (5) Effectiveness of the power brake
- (6) Effectiveness of the caturact cylinder
- (7) Jerks/abnormal vibration during lifting
- (8) Effectiveness of the steam stop valve
- (9) Leakage of steam from the joints
- (10) Sensitivity of the speed indicator
- (11) Quality of the speed chart
- (12) Ease in the interpretation of the recording system
- (13) Workmanship

(7) Loco, IC Engine –

- (i) Brake
- (ii) Sanding arrangement
- (iii) Warning device
- (iv) Performance of exhaust conditioner
- (v) Flame prop
- (vi) Catalytic Enverter
- (vii) Head light
- (viii) Seating comfort
- (ix) Canopy
- (x) Starting.

(8) Fire Resistant Conveyor Belts

- (i) Condition of top & bottom covers
- (ii) Condition of edges
- (iii) Wear
- (iv) Elongation
- (v) Tonnage of material handled so far

Signature with date

Name:

Designation:

Organisation:

Contact No:

PERFORMANCE REPORT OF FLP/ I.S. APPARATUS, CABLE ETC.

(Please strike off whichever is not applicable)

1. (a) Complete details of the elect. Equipment with type of protection/cable:

(b) Name of manufacturer :

(c) Reference to DGMS field – trial permission letter :
2. Name of the mine where the equipment was installed :
3. Location, quality, quantity, of air (ventilation):
4. Humidity at the site of installation :
5. Degree of gassiness of seam/zone in case of oil mines:
6. Date of commencement of field trial :
7. Date of reporting of performance :
8. Purpose for which equipment was used:

9. Audibility (clear/not clear) and the distance at which audibility fades out :
10. Environmental effects on the performance of the system, If any :
11. (a) Performance of insulation monitoring device, if provided.
(b) Insulation Resistance values at the time of reporting:
12. Suitability of components for rough usage.
13. Temperature class/temperature rise of enclosure/glass/other components.
14. Facilities for cable connections:
15. Facilities for cable compounding.
16. Facilities for earthing of body/neutral.
17. Comments on flame path/flame gap/fastenings.
18. Wattage (H.P.) / Amperage/ Voltage at which field trial was conducted.
19. Facilities for fixation/ anchoring/ Installation.
20. Efficacy of interlocking mechanism, if provided.

21. Efficacy of protective devices with available setting details.
O/L, U/V, E/I single phasing preventor etc.
21. (a) Facilitates for testing of earth leakage relay
- (b) Provision of lock/cover over "Reset" switch to obviate unauthorised operation.
22. Facilities for replacement of parts/maintenance.
23. Failure of equipment during field trial, If any.
24. Any modification suggested.
25. Remarks on the performance and pitworthyness of the system/equipment.

(S e a l)

Signature with date

Name :

Designation :

Contact No.