

Annexure A Technical Specification

Description and scope of supply

This include supply and delivery including commissioning into service for a set of hydraulic Re - Railing Equipment to be used primarily for lifting Railway Wagons and Locomotives in the event of accident .The equipment shall have specific characteristics as per specification .The supply shall include all the equipment as detailed in the specifications and any other equipment essentially required to make the equipment fully operational

Sr.No	Re Railing Equipment (specification & Qty as mentioned below	Qty
1	Power Unit/Power pack assembly : Petrol engine driven regulated working pressure should be minimum 300 bar. One high pressure axial /radial submerged piston pump with shut off/relief valve to be provided .portable engine complete with rope/handle or any type for starting purpose, precision dynamically balanced coupling for connecting the engine and pump complete hose pipe connectors, strong lifting handle, oil tank capacity minimum 40 litre.	1 No
2	Control Panel /Control Desk assembly:- Minimum 4 directional control valves with handle to be provided to operate 4 No's jacks at a time as well as individually ,excess pressure valve to set 300 bar normal working pressure ,intrigated pressure gauge is to be provided hose connectors to connect power pack as well as jacks	1 No
3	Portable hand pump :-hand pump assembly for operation of double acting cylinders with two way distributor valve ,oil tank capacity suitable for minimum 125 Ton, jack operation hose connector to be provided working pressure should be minimum 300 bar with all other accessories	1 no
4	High pressure hose Pair :- High pressure hydraulic hose pair wire braided 10m long for connection between control desk and lifting /Traversing jack with end fitting & dust cap suitable for minimum 125 Ton jack operation	6 Pairs
5	Single high pressure hose:- single high pressure hydraulic hose wire braided 10 m long for connection between power pack and control table with end fitting & dust cap, suitable for minimum 125 Ton jack operation	6 No's
6	Hose Connector : Hose Connectors	6 No's
7	Re Railing Bridge :- Re Railing Bridge light metal alloy in hollow body 2200mm (+/- 5%) Length minimum 140 mm, Height equipped with four handles	1 No
8	Re Railing Bridge :- Re Railing Bridge light metal alloy in hollow body 3300mm (+/- 5%) Length minimum 140 mm, Height equipped with four handles	1 No
9	Connecting Element :- Connecting element of Rerailing bridges consisting of 2 plates with suitable fasteners	1 Set
10	Roller Carriage: Roller Carriage with removable top plate jack loading capacity minimum 600 KN , Minimum Height 110 mm Appox	2 No's
11	Single counter support :- to be inserted in the hole of re _railing bridge used during travers operation of roller carriage by pushing double acting displacing jack	2 No's
12	Distance Bar:- To couple two roller carriages, Length continuously adjustable from 1000- 2800 mm	1 No
13	Traversing Jack :- Minimum capacity 120 /60KN , double acting cylinder , allow pushing/pulling operation	2 No's
14	Telescopic jack :- Minimum Capacity 1200/600KN ,No'of piston -2, Piston stroke minimum 90 mm each, Total stroke 180 mm minimum , Minimum height -234 mm , Attachment : Piston guard, strong lifting handle, hose connection	2 No's
15	Telescopic jack :- Minimum Capacity 1200/600KN ,No'of piston -2, Piston stroke minimum 200 mm each, Total stroke 400 mm minimum , Minimum height -380 mm , Attachment : Piston guard, strong lifting handle, hose connection	2 No's
16	Axle pusher: Axle pusher should consist hooks and bolt rope with piston guard plate to be used in combination with the displacing jack to move a wheel resting on the rail by its flange or if necessary as an auxiliary device for the lateral displacement of a lifted vechile / axle pusher consists of traverse with cylinder attachment and single acting cylinder with piston guard plate, which is suitable for above mention specification	1 No's
17	Installation & Commissioning : At Site with all necessary accessories & Oils Etc complete	
18	Other Terms and condition a) Vendor shall supply operation, maintenace & spare part manuals along with supply of equipment b) Vendor shall supply mandatory spares and necessary maintenace tool kit along with supply of equipment with no extra cost to OPGC c) All the components of equipment shall be inspected by OPGC before despatch as vendor permises d) Vendor shall give guarntee/Warranty certificate for all the components for Twelve month from the date of commissioning or eighteen months from the date of supply e) Training :- operational training of Re railing equipment 2 days at OPGC site	
19	Special Term and condition a) Delivery Period :- within 6 months from the date of receipt of PO b) Transport insurance :- By seller	