

Annexure 2: List of Priority 2 Civil Structures / Components for condition assessment

Plan Name	Component / Area	Item	Description of Activity / Detailed Requirements
Material Handling Plant	Lignite handling plant	Bunker Floor Water Proofing	Water proofing works for attending leakages in top slab of bunker floor
Roof and floor works	CW Pump House	Inspection and Repairing of house flooring	CW pump house concrete flooring inspection and repairing / new construction
Waterproofing works	Furnace	Water proofing work at PRDS floor	<ol style="list-style-type: none"> 1.Dismantling & cleaning of Existing bitumen felt etc. 2.Stack serviceable materials & disposal of unserviceable materials. 3. Dismantling of existing tarfelt work. 4. Fixing five courses water proofing treatment with bitumen felt
Waterproofing works	DG House	Waterproofing work of DG House	Inspection of existing steel structure / roof of DG house, suggest a new design to prevent water ingress
Waterproofing works	Lime handling, lime dosing	Lime MCC room water proofing work	<ol style="list-style-type: none"> 1.Dismantling & cleaning of Existing bitumen felt etc. 2.Stack serviceable materials & disposal of unserviceable materials. 3. Dismantling of existing tarfelt work. 4. Fixing five courses water proofing treatment with bitumen felt
Waterproofing works	SWTP	Waterproofing of Vatech slab	Same as above
Waterproofing works	Intake pump house	Intake pump house waterproofing work	<ol style="list-style-type: none"> 1.Dismantling & cleaning of Existing bitumen felt etc. 2.Stack serviceable materials & disposal of unserviceable materials. 3. Dismantling of existing tarfelt work. 4. Fixing five courses water proofing treatment with bitumen felt
Waterproofing works	Reject pump house	Reject pump house waterproofing work	<ol style="list-style-type: none"> 1.Dismantling & cleaning of Existing bitumen felt etc. 2.Stack serviceable materials & disposal of unserviceable materials. 3. Dismantling of existing tarfelt work. 4. Fixing five courses water proofing treatment with bitumen felt

Waterproofing works	SWTP	RO Plant - Sea Water sump repairing and water proofing	Repairing / Retrofitting of sump at RO area of Plant Sump size - Sea water sump - approx 21m dia and 2.7m depth Clarrifocullator sump - 19m dia , 2.7m depth Aeration chamber - 19m dia , 4.5m depth Secondary clarifier - 19m dia , 2.7m depth
Waterproofing works	CCW Pump house	Waterproofing Work at CCW Pump House	1.Dismantling & cleaning of Existing bitumen felt etc. 2.Stack serviceable materials & disposal of unserviceable materials. 3. Dismantling of existing tarfelt work. 4. Fixing five courses water proofing treatment with bitumen felt
Waterproofing works	Miscellaneous	Water proofing work at Main store godown	Same as above
Material Handling Plant	Lignite handling plant	Inspection and Construction of RCC ramp (for truck dumping area)	Inspection and Construction of RCC ramp (for truck dumping area)
SWTP	Sea Water Treatment Plant	Vatech leakage slab repairing work	Repairing and waterproofing of slab
SWTP	Sea Water Treatment Plant	RO Plant PSF collection sump repairing & restrengthening	Repairing of existing sump by plastering / guniting / shotcreting and construction of existing damaged slab of 6m dia and 4m depth
SWTP	Sea Water Treatment Plant	Inspection and Repair of VATEch reservoir slab	Inspection of existing underground reservoir slab having dimension of 36m x 72m and 4m deep and repairing / plastering / shotcreting / guniting
CW and CCW System	CCW Pump house	Pit and Leakage Repairing of CCW components	CCW Pit, Condensor Pit, ACW Interconnectin Pit slab , wall leakage repairing, UDT pit etc.(Interconnecting Pit - 3mx3mx3m size x 2 nos , Condenser Pit - 11mx8mx3m x 2nos.) and flooring works
Roof and floor works	CW Motor Room	Inspection and Repair of steel structure lumpsum	Miscellaneous repair works like painting, welding works for steel structure
Plant Civil Works	Miscellaneous	Emergency Exit Staircase Construction (RCC, TMT, Plaster, demolition, repairing, masonry work etc.)	From service building 3rd floor porch to Ground floor towards CCW.
Material Handling Plant	Lignite handling plant	Construction of road for Ramp (For truck dumping area)	Bidder to create appropriate design / construction documents along with bill of quantities

Material Handling Plant	Lignite handling plant	Construction of RCC RAMP at top (For truck dumping area)	Bidder to create appropriate design / construction documents along with bill of quantities
Material Handling Plant	Lignite handling plant	Resurfacing & repairing of road from Staker to Canteen chokdi road at ATPS.	Bidder to create appropriate design / construction documents along with bill of quantities
Material Handling Plant	Lignite handling plant	Installation of fixed spray sprinkler system at MHP area - ATPS	Bidder to create appropriate design / construction documents along with bill of quantities
Material Handling Plant	Miscellaneous	RCC Drain Construction (from MHP to Chimney Road)	Bidder to create appropriate design / construction documents along with bill of quantities
Fire and Safety	Fire Dept & Booster Room	Construction of FOPH foam flooding tank shed covered with masonry wall & slab	Bidder to create appropriate design / construction documents along with bill of quantities
Painting	Boiler	Painting and Coating of cyclone area	Identification of painting / coatingworks along with bill of quantities
Painting	Boiler	Painting and Coating of TAPH area	Identification of painting / coatingworks along with bill of quantities
Painting	Boiler	Painting and Coating of Furnace area	Identification of painting / coatingworks along with bill of quantities
Painting	Auxiliary Boiler	Painting of outer surface of auxiliary boiler	Identification of painting / coatingworks along with bill of quantities
Electrical	Turbine	Cable trench construction in Turbine area	Bidder to create appropriate design / construction documents along with bill of quantities
Electrical	Transformer	Cable trench construction in GT area	Bidder to create appropriate design / construction documents along with bill of quantities