

(PRICE BID FORMAT)



BHARAT HEAVY ELECTRICALS LIMITED
ELECTRO PORCELAINS DIVISION
BANGALORE : 560 012

TENDER DOCUMENT
PRICE BID FORMAT

Providing Asphaltting on roads from WEX to Workshop backside, ETP to LPG yard, Slip House to old Foundry
(including Ceralin open yard), Outside Heritage Museum and Power House to ETP.

(SCHEDULE - A)

(PART - B)

DEPARTMENT : WORKS ENGINEERING
SECTION : CIVIL

Schedule-A

Name of the work: *Providing Asphaltting on roads from WEX to Workshop backside, ETP to LPG, Slip House to Old Foundry (adjescent to Ceralin yard), Ceralin open yard, Outside heritage museum, and power house to ETP.*

SL.NO.	Description	Unit	Qty	Rate	Amount.
1.	Excavation of roadway in soil by mechanical means including cutting and pushing the earth to the site of embankment, including trimming bottom and side slopes in accordance with the requirements of lines, sorting the dismantled material, disposal of unservicable material upto a lead of 1000m and stacking of servicable materials with all lifts, grades and cross-sections complete as per specification.	cum	424.34		
2.	Chipping and Dismantling road surface and existing structures like culverts, bridges, retaininmg walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicable material upto a lead of 1000m and stacking of servicable materials with all lifts complete as per specifications.	cum	19.58		
3.	Cleaning the existing black topped bituminous surface with brooms, soft brushes and finally dusting with old gunny bags and/ or compressed air to receive bituminous treatment including cost of all materials. Labour, HOM of machineries complete as per specifications.	sqm	1,674.60		
4	Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and/ or compressed air, to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	sqm	1,130.00		
5	Providing and laying in position PCC 1:2:4 using 20mm and downsize graded granite metal thoroughly mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation, plinth and cills, including cost of all materials, cenetring, shuttering, labour, HOM of machinery, curing complete as per specifications and excluding the cost of cement, cement will be provided by BHEL at free of cost.	cum	5.00		

6	Providing, laying, spreading and compacting 25 - 40mm graded stones aggregate to WET MIX MACADAM specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (Refer special terms and conditions for details)	cum	413.54		
7	Providing and applying primer coat on prepared black topped bituminous surface at 2.5kg per sqm with bitumen emulsion, heating in bitumin boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc complete. (Refer special terms and conditions for details.)	sqm	1,677.50		
8	Providing and applying primer coat from 9.8 to 12.2 kg sqm for surfaces of medium porosity respectively over prepared surface of granular base with cut back M. C-70 or any other bitumen mixed with diesel at 10kg per 10sqm heated in bitumen boiler fitted with spary set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	sqm	3,207.70		
9	Providing and laying bituminous concrete 40mm thick of grade 80/100 with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of 13-25mm of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction complete in all respects as per specifications. Test certificate showing the bituminous consumption and size of aggregate to be produced for each batch of bituminous concrete by the contractor. (Refer special terms and conditions for details)	cum	193.56		
10	Providing and laying 20mm thick mix seal surfacing Type 'A' on prepared surface as wearing course with specified graded crushed aggregates of 5.6mm and 11.2mm size premixed with bituminous binder, in hotmix plant 20-30 tonnes, transporting the mixed materials in tipper to a distance upto 1km and laying with paver finisher 30-40 tonnes capacity to required level and grade, rolling with power roller 8-10 tonne excluding cost of tack coat including cost of all materials, labour, HOM of machineries complete as per specifications using 80/100 grade bitumen. Test certificate showing the bituminous consumption and size of aggregate to be produced for each batch of bituminous seal coat by the contractor. (Refer special terms and conditions for details)	sqm	4,839.10		

11	Providing and constructing burnt brick masonry with approved quality of non modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement, chambers and superstructure including cost of materials, labour charges, scaffoldings, curing etc complete, excluding the cost of cement, cement will be supplied by BHEL at free of cost.	cum	5.00		
12	Providing 20mm thick cement plaster in single coat with cement mortar 1:4 to masonry and concrete surface including rounding off corners wherever required smooth lime rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc complete, excluding the cost of cement, cement will supplied by BHEL at free of cost.	sqm	20.00		
				SUB - TOTAL	
(i)	Taxes if any, may be quoted saperately,(_____)				
(ii)					
(iii)					
				GRAND TOTAL	

(Rupees _____)

NOTE:

- 1 Taxes and/or duties, if any may be quoted saperately, otherwise the rates quoted will be considered as inclusive of all the taxes and duties and no additional claims in this regard will be considered later.
- 2 Before quoting, the contractors are advised to meet the engineer-in-charge, inspect the work spot and understand the scope of work clearly.

Signature of the Contractor

Name:

Address: