

**GUJARAT INDUSTRIES POWER COMPANY LIMITED  
BARODA**

**SECTION - D**

TENDER NO.MAT/MM/PAINTING/GIPCL/2017-18 DT.15.02.2017

**SCOPE OF WORK AND SCHEDULE OF QUANTITIES & RATES**

**JOB: ANNUAL RATE CONTRACT FOR PAINTING OF BUILDING & STRUCTURAL STEEL MEMBERS AT GIPCL-BARODA PLANT FOR THE YEAR 2017-2018.**

SR. NO.	BRIEF ITEM DESCRIPTION	QTY.	UNIT	UNIT RATE (In Rs.)	TOTAL AMOUNT (In Rs.)
<b>A</b>	<b><u>PAINTING WORKS - CIVIL DEPT</u></b>				
1	Providing & painting existing painted surfaces with two coats of Asian / Berger make paints of approved colour & shade at all elevations including preparation of surfaces with emery paper & wire brush, washing wherever required, application of putty as required, grinding the surfaces with emery paper to get the smooth & even surface, scaffolding, etc. as directed by Engr. with all tools & tackles, labour, etc.complete for the following types of the paint:				
(a)	Providing & Painting exterior surfaces of buildings / walls, etc. with two coats of Asian make <b>APEX exterior acrylic emulsion paint</b> of approved colour & shade.	1200	M2	61.18	73,416.00
(b)	Painting exterior surfaces of <b>elevated Over head water tank</b> with two coats of <b>APEX exterior</b> acrylic emulsion paint of approved colour shade. Approximate area 650 M2.	1	Lump sum	50,095.50	50,095.50
(c)	Providing & Painting exterior surfaces of buildings / walls, etc. with two coats of Asian make <b>ACE exterior acrylic emulsion paint</b> of approved colour & shade.	500	M2	45.02	22,510.00
(d)	Providing & Painting interior surfaces of buildings with two coats of Asian / Berger make <b>Oil Bound Distemper</b> of approved colour & shade.	1000	M2	37.53	37,530.00
(e)	Providing & Painting interior surfaces of buildings with two coats of Asian / Berger make <b>Plastic emulsion / Acrylic emulsion</b> paint of approved colour & shade. (final coat with roller).	750	M2	65.67	49,252.50
(f)	Providing & Painting surfaces with one coat of Asian / Berger make <b>cement based primer</b> .	750	M2	28.15	21,112.50
(g)	Providing & Painting surfaces with one coat of Asian / Berger make <b>Red oxide primer</b> .	1500	M2	22.51	33,765.00
(h)	Providing & painting existing Doors, Windows, Ventilators, Rolling shutters, M.S.Gates, Grattings, piping, railing, C.I. Rain water pipe lines, etc. with two coats of Asian / Berger make <b>high gloss synthetic enamel</b> paint of approved shed.	500	M2	56.28	28,140.00
(i)	Providing & Painting structural steel members, chequered plates, etc. with two coats of Asian / Berger make <b>apcolite high gloss synthetic enamel</b> paint of approved shed	2000	M2	46.90	93,800.00

SR. NO.	BRIEF ITEM DESCRIPTION	QTY.	UNIT	UNIT RATE (In Rs.)	TOTAL AMOUNT (In Rs.)
(j)	Providing & Painting chain link fencing & angle supports, bracings, barbed wires, etc. with two coats of Asian / Berger make <b>Aluminium paint with 4 Kg. pest.</b>	1000	M2	37.53	37,530.00
(k)	Providing & Painting surfaces with one coat of Asian / Berger make <b>Epoxy primer.</b>	250	M2	37.53	9,382.50
(l)	Providing & Painting surfaces with two coats of Asian / Berger make <b>Epoxy paint (Epilux 4)</b> of approved shed as per manufacturers specification	500	M2	80.76	40,380.00
2	Providing & painting existing painted surfaces of walls, ceiling, RCC, etc.with <b>Lime/ Colour wash</b> at all elevations including preparation of surfaces with wire brush & emery paper, approved quality glue binder, required quantity of robin blue, screening with fine cloth, applying with brush, scaffolding, etc. as directed by Engr. with all materials, labour, tools & tackles etc. complete.				
(a)	One coat of lime / colour wash	500	M2	11.72	5,860.00
(b)	Two coats of lime / colour wash	500	M2	14.16	7,080.00
3	Providing and applying <b>melamine polish</b> to existing polished surfaces of doors, windows, furniture, etc. including preparation of surfaces with emery paper, removing loose materials, applying putty/colour touchup as per requirement, applying two coats of Asian make melamine over a coat of sealer with spray including protecting grills, fixtures, glass, etc. with all material, tools & tackles, etc. complete.	10	M2	481.69	4,816.90
4	Providing & painting <b>sign boards</b> with Asian / Berger make synthetic enamel paint of approved colour for sign boards at all elevations and at different locations including preparation of surfaces, painting the surface of board with two coats of synthetic enamel paint & painting matter in different sizes letters, figures, Logo, etc.with different colours, making border, scaffolding, etc. with all materials, labour, tools, tackles, etc. complete as per instruction of Engr.	20	M2	339.88	6,797.60
5	Providing & applying Dr. fixit Crack - X non shrink <b>crack sealant</b> as per manufacturer's instructions at all elevations including making V groove in the plaster up to full thickness of the plaster with cutter machine, necessary scaffolding wherever required, preparation of surfaces, applying crack sealant, finishing top surfaces, etc. complete as directed by engineer with all materials & labour cost.	50	Rm.	65.26	3,263.00
6	Supply of labours for all type of works inclusive of all tools, takels, supervision, labour laws liabilities, workmen compensation, transportation, etc. for the following per day of eight working hours :				
(a)	Supply of Unskilled labour	5	No	277.45	1,387.25
(b)	Supply of Painter	5	No	327.55	1,637.75

SR. NO.	BRIEF ITEM DESCRIPTION	QTY.	UNIT	UNIT RATE (In Rs.)	TOTAL AMOUNT (In Rs.)
7	Providing and erecting separate <b>scaffolding work</b> for specific plant work requirements as & when required basis with MS pipe for various heights and removal of the same after completion of work including vertical supports as per requirement and horizontal bracings at @ every 6'-0" height for placing planks, necessary planks, etc. with all materials & labour etc. complete. (Measurement shall be on M2 basis = length x height)	100	M2	96.34	9,634.00
<b>TOTAL AMOUNT OF A = RS.</b>					<b>537,390.50</b>
<b>A-1</b>	<b>APPLICATION CHARGES INCL. TOOLS &amp; TACKLES &amp; CONSUMABLES: THE PAINTS, PRIMER &amp; THINNER SHALL BE ISSUED FREE OF COST BY GIPCL.</b>				
1	Application charges for painting one coat of <b>Red oxide primer / Epoxy primer / wall primer</b> at height up to 5.0 mtr. including preparation of surfaces with emery paper & wire brush, application of putty as required, grinding the surfaces with emery paper to get the smooth & even surface, scaffolding, etc. as directed by Engr. with all tools & tackles, labour, etc. complete.	100	M2	13.60	1,360.00
2	Application charges for painting existing painted surfaces with two coats of <b>Synthetic enamel paint / Epoxy paint / plastic paint / Aluminium paint / Exterior Acrylic paint</b> at height up to 5.0 mtr. including preparation of surfaces with emery paper & wire brush, application of putty as required, grinding the surfaces with emery paper to get the smooth & even surface, scaffolding, etc. as directed by Engr. with all tools & tackles, labour, etc. complete.	100	M2	16.99	1,699.00
<b>TOTAL AMOUNT OF - A-1 = Rs.</b>					<b>3,059.00</b>
<b>TOTAL AMOUNT FOR CIVIL DEPT. ( A + A-1) = RS.</b>					<b>540,449.50</b>
<b>B</b>	<b>PAINTING WORKS - ELECTRICAL DEPT</b>				
1	Providing & painting existing painted surfaces with two coats of Asian / Berger make <b>high gloss synthetic enamel</b> paints of approved colour & shade and one coat of red oxide primer at all elevations including preparation of surfaces with emery paper & wire brush, removing of loose paint, scaffolding, etc. as directed by Engr. with all tools & tackles, labour, etc. complete for the following :				
(a)	Painting of Cable Tray width 600mm	100	RM	50.65	5,065.00
(b)	Painting of Cable Tray width 400mm	100	RM	33.77	3,377.00
(c)	Painting of Cable Tray width 300mm	100	RM	26.27	2,627.00
(d)	Painting of Cable Tray width 150mm	100	RM	13.13	1,313.00
(e)	Painting of Street light Pole (apprx. 11 meter Height) along with Junction Box with two coats of Asian / Berger make <b>Aluminium paint</b> with 4 Kg. pest.	70	No	187.62	13,133.40

SR. NO.	BRIEF ITEM DESCRIPTION	QTY.	UNIT	UNIT RATE (In Rs.)	TOTAL AMOUNT (In Rs.)
2	Providing & painting Surface Painting of Elect. Equipments like Motors (0.25 Kw to 950 Kw), Panels, Junction Boxes, Push Button Stations, etc. with two coats of Asian / Berger make high gloss synthetic enamel paints of approved colour & shade and one coat of red oxide primer with <b>spray painting</b> as directed by Engr. including preparation of surfaces with emery paper & wire brush, removing of loose paint, all equipments, compressor, spray gun & accessories, all tools & tackles, etc.	200	M2	84.43	16,886.00
3	Providing & applying for Painting surfaces with one coat of Asian /Berger make Epoxy primer and two coats of <b>Epoxy paint</b> (Epilux 4) of approved shed as per instructions.	100	M2	125.62	12,562.00
	<b>TOTAL AMOUNT FOR ELECTRICAL DEPT. = RS.</b>				<b>54,963.40</b>
<b>C</b>	<b>PAINTING WORKS - MECHANICAL DEPT</b>				
1	Light cleaning of surface with the help of water, cotton waste, emery paper etc. to remove dust, foreign material etc. without scrapping old paint. All the consumables for cleaning job such as brush, sand papers, emery papers, scrapper etc. shall be in contractor's scope.	1000	M2	6.80	6,800.00
2	Through cleaning of surface with the help of water, cotton waste, emery paper etc., remove all the loose old paint, rust etc. base metal should be exposed for reapplication of paint. All the consumables for cleaning job such as brush, sand papers, emery papers, scrapper etc. shall be in contractor's scope.	1000	M2	6.80	6,800.00
3	Through cleaning of surface by shot blasting with copper grit. Required copper grit, hopper, nozzle & hoses etc. shall be arranged by contractor. GIPCL will provide service air and covered area required for shot blasting.	100	M2	97.89	9,789.00
4	Supply and Application of one coat of Red Oxide primer by brush on cleaned surface. Contractor's scope : a) All the material including primer, thinner and consumables such as brush, sand papers, emery papers, scrapper etc. shall be arranged by contractor.	1000	M2	23.79	23,790.00
5	Supply and Application of one coat of Synthetic Enamel paints by brush OR spray (as per requirement) on cleaned surface. Contractor's scope : a) All the material including paints, thinner and consumables such as brush, emery papers, scrapper etc. shall be arranged by contractor.	1000	M2	28.15	28,150.00
6	Supply and application of 1 coat of Berger make Epilux 610 High Build Primer on cleaned surfaces of vessels, Piping and Structures. Contractor's scope : a) All the material including paints, thinner and consumables shall be arranged by contractor.	750	M2	35.89	26,917.50

SR. NO.	BRIEF ITEM DESCRIPTION	QTY.	UNIT	UNIT RATE (In Rs.)	TOTAL AMOUNT (In Rs.)
7	Supply and application of 1 coat of Berger make Epilux HB 155 high build paint on vessels piping and structures. Contractor's scope : a) All the material including paints, thinner and consumables shall be arranged by contractor.	750	M2	53.84	40,380.00
8	Supply, Erection & Dismantling of Scaffolding. Scaffoldings shall be erected from 40 NB pipes, metallic clamps, wooden planks etc. shall be arranged by contractor	500	M2	26.92	13,460.00
9	Painting of Letters/ symbols/ tags (Character size from 2" to 4"). All the materials including paints, thinner and consumables shall be in contractor's scope.	100	No.	8.16	816.00
10	Painting of Letters/ symbols/ tags (Character size from 5" to 8"). All the materials including paints, thinner and consumables shall be in contractor's scope.	100	No.	9.80	980.00
	<b>TOTAL AMOUNT OF C = RS.</b>				<b>157,882.50</b>
<b>D</b>	<b>PAINTING WORKS - MECHANICAL DEPT. - ONLY LABOUR CHARGES ITEMS</b>				
1	Labour charges for Painting of GT Inlet air Filter house(From Inside & Outside including air inlet duct and air puffing unit) on lump-sum basis (Approximate Qty : 550 sqr. Mtr) Contractor's scope : a) Erection & Dismantling of Scaffolding. b) Through cleaning of surface with the help of water, cotton waste, emery paper etc., remove all the loose old paint, rust etc. c) Application of <b>Single</b> coat of synthetic enamel/PU oil paint by brush or spray on cleaned surface. d) All the consumables for cleaning / painting shall be in contractor's scope. GIPCL Scope : GIPCL shall provide required paints and thinner. Approximate Area given for item no. D1 of Section -D (lump sum basis) are indicative based on past calculation, consumption of paint and available drawings. Exact measurement of areas is not possible. Hence, Contractor are advised to visit GIPCL site and take judgment of area included in scope of work before submitting the offer. No measurement shall be done/ amended once the order is finalized.	1	Lump sum	24,675.19	24,675.19
2	Labour charges for Painting of areas like GT Exhaust Duct, HRSG duct, Bypass Stack silencer etc. Contractor's scope : a) Erection & Dismantling of Scaffolding. b) Through cleaning of surface with the help of water, cotton waste, emery paper etc., removal of all the loose old paint, rust etc. before application of paint. c) Application of two coats of heat resistant aluminum paints by brush/spray on cleaned surface. d) All the consumables for cleaning/painting shall be in contractor's scope. GIPCL Scope : a) GIPCL shall provide all required primers, paints and thinner.	1000	M2	54.73	54,730.00

SR. NO.	BRIEF ITEM DESCRIPTION	QTY.	UNIT	UNIT RATE (In Rs.)	TOTAL AMOUNT (In Rs.)
3	Labour charges for application of 1 coat of Epoxy Sealer / Epoxy paint / corro coat / Brush able Ceramic on pump column pipe, impeller, casings, stools etc. Contractor's scope : a) Preparation of coating system and its application by brush on cleaned surface. b) All the consumables for painting shall be in contractor's scope. GIPCL Scope : a) GIPCL shall provide required quantity material for coating system.	500	M2	16.89	8,445.00
	<b>TOTAL AMOUNT OF D= RS.</b>				<b>87,850.19</b>
	<b>TOTAL AMOUNT FOR MECHANICAL DEPT. =RS. ( C + D)</b>				<b>245,732.69</b>
	<b>GRAND TOTAL AMOUNT = RS. ( A+A1+B+C+D)</b>				<b>841,145.59</b>
(a)	<b>AGREED AT THE SAME RATE AS PER SCHEDULE OF RATES</b>				
(b)	<b>.....% BELOW SCHEDULE OF RATES</b>				
(c)	<b>.....% ABOVE SCHEDULE OF RATES</b>				
	<b>SEAL &amp; SUGNATURE OF TENDERER:</b>				