Bill of Quantities Rate per ANNEXURE - A Amount Sam for (Rs.) (Schedule - A) each item **Description of Item** Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Interior / Exterior (1) Exterior Emulsion should satisfy following parameters: i) Dry film thickness for primary coat (Barrier coat) = 70 - 80 Microns ii) Dry film thickness for emulsion 2 coats = 50 - 60 Microns iii) Sheen levels at 60 degree GH = > 18 as measured in white iv) Water resistance = passes> 48 Hrs as per ASTM D870 - 15 90,12,12,000 Flame spread resistance = Passes as per BS 476 – PART-7 –1997 : 85.02 (Rupees Rating Class-I Eighty vi) Resistance to Alkali= Efflorescence Test (Water five and Permeability test as per SS-500-2002) two Durability against colour, flaking, cracking, chalking and 1.06 paise 1 Sqm Crores weathering = 7 Years warranty on colour & film integrity. only) Sq.mts Surface drying type = 30 minutes i) Spread area = 50 - 60 sqft ii) iii) Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity. iv) Surface drying type = 30 minutes PAINTSIA Spread area = 50 - 60 sqft V) vi) Adhesive capacity = Pull of adhesion > 1.5 Mpa vii)Temperature stability = QUVA > 1000 hours Kolkata xi) Dust Repellent = Natural weather exposure for 3 months -700017 No visual difference initially and after cleaning Park Sy Managing Director APEWIDC, Vijayawada

2		Qty			escription of Item			Rate Sqm	for	Amo
				(2) Interior Emulsion should	satisfy following pa	arameters : -		each i	item	(1)
				') Dry fillfi thickness	for primare.	Table 1				Cola P
					for emulsion 2 coat	ats = 45 - 50	ons			
1.02 Crores			iii) Scrub cycles = Min iv) Washability = Min	imum 300 cycles a	s per ASTM D :	3450	87.03		88,77,06,	
		1 Sqm	v) Sheen levels at 60	degrae CU -	5		(Rupees		0	
	Sq.mts			" " " " Alkal	i= Passes the test a	IIIS Os nor		Eighty		
1				- 105 2004				Seven ar Three pa	ise	
				vii) Durability against c weathering = 3	olour, flaking crac	racking the		only)		
					Years warranty or	Colour & film	and			
						· colour & mm				
				viii) Surface drying type ix) Spread area = 120 -	120					
				x) Temperature stabilit	V = Passos that					
				IS 15489: 2004.	y - rasses the test	as per	Da.			
1				(3) <u>Doors & Windows w</u> of Wooden Doors) :-	ith wood primer,	enamel (in cas	se			
		+								
				Specification:- Painting to wo mixed Synthetic Enamel pai	ood work with two	coats of reac	ty 96	5.02	-	
	0.072			mixed Synthetic Enamel pair quoted inclusive of all the	nts in all shades of	Grade - I Rate	es (R	upees	6,9	1,34,400.
	Crores	1:	Sqm	applying machinery or tools	/- : such a	is paints, pair	nt Ni	nety Six		
30	q.mts		30	operational, incidental and la	be a lent, Man	power and a	II an	d Two	1	
			1	charges lift charges	boul charges such	A CAMPAGE AND A	Pai	ise only)	-1	
				charges, curing e	tc., complete for f	as scattolding	g	oc omy)	1	
			1	vork for Walls in all Floors ma	ce, complete for fi	inished item o	f	ise omy)		
			S	vork for Walls in all Floors, ma	in power,	inished item o	f	oc omy)		
			s	vork for Walls in all Floors, ma upervision and all other allied Il or every other requirement	in power, charges and exclu	inished item o	f	oc omy)		
			s a b	vork for Walls in all Floors, ma upervision and all other allied Il or every other requirement e met by the SELECTED contra	in power, charges and exclu in completion of act company	inished item o Iding taxes and the work shall	f	Se Grilly)		
			s a b	vork for Walls in all Floors, ma upervision and all other allied Il or every other requirement e met by the SELECTED contra otal 3 (three) coats:1. Primare	in power, charges and exclusion completion of act company	inished item o Iding taxes and the work shall	f	Se Griffy		
			s a b To	vork for Walls in all Floors, ma upervision and all other allied Il or every other requirement e met by the SELECTED contra otal 3 (three) coats:1. Primary namel paint 2(two coats) Inter	in power, charges and exclusion completion of act company Coat 2. Ready milion / Exterior	inished item o iding taxes and the work shall ixed Synthetic	f	Se Griffy		
			s a b To En	work for Walls in all Floors, manupervision and all other allied all or every other requirements and the by the SELECTED contracted as (three) coats:1. Primary namel paint 2(two coats) Interequirements for Enamel, Synth Finishing	in power, charges and exclusion completion of act company Coat 2. Ready milion / Exterior	inished item o iding taxes and the work shall ixed Synthetic	f	Se Griffy		
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Est.	Unit		Description of	Item		Sqm for each item	(Rs.)
Qty	Oille			Requireme	ents		
	D-	S.	Characteristics	Under coating	Finishing		
		No.	Colour	Approximate match with ISC No. 385 or 635	Close match to the specified IS colour or to an agreed colour		
		vii	Scratch hardness after 48 h air drying (1000 g)	No such scratch a bare metal			
			Flexibility and adhesion	No visible damage or detachment after 48 h of air drying	No visible damage or detachm ent after 96 h of air drying		
		ix	Flash point	Not below 30°C	Not below 30°C		*
		×	Composition:	40	35		
			a) Volume solids percent, Min b) Phthallic anhydride	20	20		
		xi	content of non-volatile vehicle, percent by mass, Min Accelerated storage stability test, at 60 ° C, 96 h	Shall pass the test	Shall pas the test	S	
		xi	No.	Not less than one year from date of manufacturing	Not less than one year from date of manufacturing	m	
			(4) Grills and Gates (iron Doo	rs, Windows, Gat	es, Grills etc	.)	
0.08 Crore Sq.m	25 15	Sqm mq	with primary coat of Red of pecification: Painting to Iron nixed Synthetic Enamel paints uoted inclusive of all the mapplying machinery or tools/experational, incidental and lab charges, lift charges, curing etc.	n work with two in all shades Gonaterials such as equipment, Man our charges such complete	s paints, pa power and as scaffold	int all One paise only)	7,29,08,100.0
160	R Kolkada	f s a l	charges, lift charges, curing etc. for finished item of work for supervision and all other allied all or every other requirement be met by the SELECTED corporates: 1. Primary Coat of Red Enamel paint 2(two coats) Interequirements for Enamel, Synthe Finishing	charges and exclusion of the completion of the company oxide 2. Ready representations	f the work sl Total 3 (thr mixed Synth	nall ee) etic	

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S. Est. No. Qty			Unit		Description		Rate per Sqm for each item	Amoun (Rs.)	
						Require	ments		
				S. No.	Characteristics	Under coating	Finishin		
				i	a) Consistency	Smooth, uni suitable for without appreci the bro	brushing able drag on		
			*		b) Viscosity by ford cup No.4 at 27 ± 2° C	80 - 120 s	80 - 120 s		
				ii	Mass, in kg/10 liters, Min	11.5	9.0		
				iii	Drying time, h, Max a) Surface dry b) Hard dry c) Tack free	2 8 24	4 12 24		
				iv	a) Finish	Smooth and matt to egg shell gloss	Smooth and glossy		
					b) Gloss 60°	0 to 20	Above 71		
				v	Fineness of grind	Not more than 50 microns	Not more than 15 microns		
				vi	Colour	Approximate match with ISC No. 385 or 635	Close match to the specified IS colour or to an agreed colour		
					Scratch hardness after 48 h air drying (1000 g)	No such scratch as bare metal	to show		
	* 700017	ERGER	PAINI	viii F	Flexibility and adhesion		No visible damage or detachm ent after 96 h of air drying		
1*1	.01.	SOF	i	x F	lash point	Not below 30°C	Not below 30°C	Al	

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Managing Director, APEWIDC, Vijayawada

			x	Composition:				
		-	^	a) Volume solids percent, Min	40	35		
				b) Phthallic anhydride content of non-volatile vehicle, percent by mass, Min	20	20		
			хi	Accelerated storage stability test, at 60 ° C, 96 h	Shall pass the test	Shall pass the test		
			xii	Keeping properties	Not less than one year from date of manufacturing	Not less than one year from date of manufac turing		
S. Vo.	Est. Qty	Unit		Description of	of Item		Rate per Sqm for each item	Amount (Rs.)
			* Th volations * Th me an * Th	ecific Requirements e product shall contain not more tile ganic compounds. e product shall not contain more etal), of any toxic metals such as I d their compounds. ee product shall not be manufactu gredients.	than 0.10 percent because the contract the contract that the contract the contract that the contract the contract the contract that the contract the contract the contract that the contract the contract that the contract the contract that the cont	oy mass (as omium (VI)		
	90 lakh Sq Meters	1 Sq.M	(5) Wall art coloring to exterior the school environment favors like animals, birds, trees environment/science/space Colours of highest grade us art work / designs will be department). The surface taken as 40 % of the externinternal walls (considering	ourable to childre etc and with the etc using Acryling standardised suffernished by the area of work donal wall treated a	hemes like c Emulsion stencils (the authority / one will be and 50 % for	85.00 (Rupees Eighty Five Only)	76,49,99,620.00
				and 50 % voids for internal Include colours, applying mad Man power and all operational charges such as scaffolding	walls) chinery or tools / ional, incidental	equipment,		
	* BER			etc., complete for finished in Floors, man power, supervision and including all taxes and a in completion of the work structure.	tem of work for on and all other all Il or every other i	Walls in all llied charges requirement		

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Managing Directors 106/