

	TELANGANA POWER GENERATION CORPORATION LIMITED (A Govt. Of Telangana Undertaking) Vidyut Soudha, Hyderabad - 500082. www.tsgenco.telangana.gov.in Phone: 040 - 23499261,262 Fax: 040 - 23499263.
From: The Chief Engineer, Thermal Projects Construction, TSGENCO, 3 rd Floor, A-Block, Vidyut Soudha, Khairathabad Hyderabad-500 082. cetpctsgenco@gmail.com	To: Addl General Manager /Commercial M/s Bharat Heavy Electricals Ltd Boiler Auxillaries plant Ranipet ,Tamilnadu - 632 406 Phone : 04172 - 284885 Fax :04172 241158

Lr.No.CPP/SE-1/TPC/122/F.Painting/ D.No.154/2015, Dt:10.07.2015

Sir,

Sub: TSGENCO -Kothagudem TPS - Stage VII (1X800 MW) -Painting schedule (Rev 03) for APH, Fans, Gates & Dampers and ESP- Request-Reg.

Ref: 1. Contract No. 3000000003, Dt: 31.12.2014.

2. M/s BHEL Lr: BHEL/TSGENCO Office/KTPS VII/29, Dated :29.06.2015

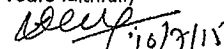
Please refer to the letter 2nd cited, where in painting schedule (Rev 03) for APH, Fans, Gates & Dampers and ESP was submitted against the purchase order 1st cited, for TSGENCO's approval.

After careful examination, the painting schedule for (Rev 03) for APH, Fans, Gates & Dampers and ESP is here by approved. A copy of the approved painting schedule is here with enclosed.

It may please be noted that the approval of the painting schedule does not absolve you of your responsibility of supplying the above equipment conforming to relevant specifications and standards and to ensure satisfactory performance of the equipment as per the terms & conditions of the contract.

Encl: A/a

Yours faithfully


 CHIEF ENGINEER / TPC

CC to:

1. The Chief Engineer/O&M/KTPS / Paloncha /Khammam(Dist)-507 115
2. The SuperIntending Engineer/E&M/ / KTPS VII / Paloncha /Khammam(Dist) -507 115
3. Additional General Manager / PMG, M/s BHEL, Power Sector/Project Management Group, Advant Navis Business Park , Sector 142 Noida.
4. General Manager , Development Consultants Pvt., Ltd. Block DG-4 Sector II , Salt lake City ,Kolkata - 700 091
5. Mr.Y.A. Srinivasa Rao,GM/BHEL Camp office,TSGENCO,Vidyut Soudha,Hyderabad.

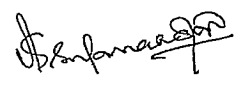
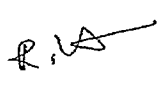
 Bharat Heavy Electricals Limited Boiler Auxiliaries Plant Ranipet – 632 406 Tamil Nadu	BHEL DOC.NO.	PS:KOTH:R824&R4K9
	REV. NO.	03
	DATE	26-06-2015

TELANGANA STATE POWER GENERATION CORPORATION LTD.,
KOTHAGUDEM TPS (STAGE VII – UNIT #12) 1X800 MW – EPC PACKAGE

KOTHAGUDEM, NEAR PALONCHA VILLAGE, KHAMMAM DIST.,

PAINTING SCHEDULE FOR APH, FANS, GATES & DAMPERS, ESP & AUX.BLR

BHEL Customer No(s): R824 (1 X 800 MW) & R4K9(AUX.BLR) – EPC PACKAGE

Prepared & Reviewed By	Approved By
	
(K. Jothi Arulanandam)	(R. Arunachalam)

10/7/15
 Chief Engineer TLU
 Thermal Projects Construction
 TSGENCO, Vidyut Soudha,
 Khairatabad, Hyderabad-50

DOC. NO: PS:KOTH:R824 & R4K9

REV. NO. 03

DTD. 26-06-2015

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SL NO	PGMA / DESCRIPTION	SURFACE PREPARATION & SURFACE PROFILE	PRIMER COAT		INTERMEDIATE COATE		FINISH COAT		TOTAL DFT. μm (min.)
			PAINT	NO OF COATS	PAINT	NO OF COATS	PAINT	NO OF COATS	
3.2	FAN: 55-214,334 FD/PA Rotor, 55-810, 830, 56-810, 820, 850, 870 Coupling for PA, ID & SA /GR & FD, 55-911, 931 – FD/PA Silencer (un- Insulated area), 55-155 GR Fan Rotor, 56-161 Ventilation Fan – Radial, 56-172 Seal Air fan Rotor, 56-227 Radial ID Fan Rotor 56113 FD Fan rotor (Aux,Blr)	Power Tool Cleaning to St 3 (SSPC – SP3)	Red Oxide Zinc Phosphate Primer (Alkyd Base) to IS: 12744 DFT = 35 μm per coat	2	–	–	Synthetic Enamel paint (long oil alkyd) to IS: 2932 – DFT = 35 μm per coat – Colour shade – Smoke Grey Shade no. 692 of IS:5	2	140
Note: All static parts of fan – two coats red oxide zinc phosphate primer to be applied both sides since it will be insulated.(alkyd base) to IS: 12744 DFT=30 μm per coat – Total DFT = 60 μm .									
3.3	ESP - GD Drive Arrangmt Drive Arrangmt EE Inspection Door CE Rapp drive Outer Roof ESP Performance Test adaptor,	Power Tool Cleaning to St 3 (SSPC – SP3)	Red Oxide Zinc Phosphate Primer (Alkyd Base) to IS: 12744 DFT = 35 μm per coat	2	–	–	Synthetic Enamel paint (long oil alkyd) to IS: 2932 – DFT = 35 μm per coat – Colour shade – Smoke Grey Shade no. 692 of IS:5	2	140
4.0	Gates & Dampers > 95° C Insulated / Un- Insulated surfaces: 57-053, 57-063, 57 203, 57 223 57 270, 57 273, 57-293, 57-303, 57-313, 57-343, 57 373, 57 433 57 460 57 470, 57 480 57 490 57430, 57370 57603,57613,57623	Power tool cleaning to St3(SSPC-SP3)	HR Aluminium Paint to IS: 13183 Gr. II (up to 400 ° C) DFT = 20 μm per coat	1	–	–	HR Aluminium Paint to IS: 13183 Gr. II (up to 400 ° C) DF = 20 μm per coat	1	40
4.1	Gates & Dampers < 95 ° C Insulated / Un- Insulated surfaces: 57 010, 57 013, 57 033, 57 083, 57 110, 57 143, 57 160, 57 173, 57 173,	Power tool cleaning to St3(SSPC-SP3)	Red Oxide Zinc Phosphate Primer (Alkyd Base) to IS: 12744 DFT = 30 μm per coat	2	–	–	Synthetic Enamel paint (long oil alkyd) to IS: 2932 – DFT = 20 μm per coat – Colour shade – Smoke Grey Shade	2	100

DOC. REF: PS:KOTH : R824 & R4K9

REV. NO. 0 3

DTD. 26-06-2015

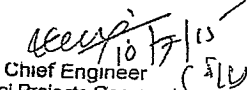
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Chief Engineer
Thermal Projects Construction
TSGENCO, Vidyut Soudha,
Kharirabad

SL NO	PGMA / DESCRIPTION	SURFACE PREPARATION & SURFACE PROFILE	PRIMER COAT		INTERMEDIATE COATE		FINISH COAT		TOTAL DFT. μm (min.)
			PAINT	NO OF COATS	PAINT	NO OF COATS	PAINT	NO OF COATS	

General Notes

- Surfaces not easily accessible after shop assembly shall be treated before –hand and protected for life of the equipment as per this painting scheme as applicable.
- Heating Element of APH shall be dipped in Rust Preventive Oil (Non Dry Type)
- Paint damage – any areas where paint got damaged shall be applied with primer and finish as given in this painting schedule.
- No painting is required for Galvanized, non ferrous and stainless steel items except as indicated above.
- Machined items are to be applied with one coat of temporary rust preventive oil.
- All the components covered under different PGMA's are to be painted. In case any component is left out, the same shall be deemed to be included under the relevant PGMA.
- PGMA's and its items coming under BOI are not indicated in this painting schedule. However, respective Engg document for all BOIs shall be referred. Wherever it is not specified, it shall be as per the painting schedule of the applicable PGMA.
- The paint DFT has to be ensured by taking average of 15 readings i.e., in a close circle of 30mm three readings have to be noted, like wise five different locations for a given single job have to be selected and total 15 readings – average have to be noted in the DR with paint peel off test evidence in the DR which has to be pasted for BHEL review and compliance.


 Chief Engineer
 Thermal Projects Construction
 TSGENCO, Vidyut Soudha,
 Khairatabad, Hyderabad-52