

NTPC LTD USSC, VDC-RAIPUR VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS																											
1	CEG No.	BMD-33																									
2	CEG DESCRIPTION	SUPPLY AND APPLICATION OF PAINT ON STRUCTURES, EQUIPMENTS & PIPING OF BOILER AND IT'S AUXILIARIES for NTPC Stations.																									
3	RESPONSIBILITY CENTRE	USSC / VDC																									
4	BRIEF SCOPE OF WORK	<p>The scope of work includes application of paint on surfaces of Boiler structure, non-insulated piping, Coal Bunker Cylindrical Portion, Milling System, FD/PA Fans & up to ID Fan Structure, ESP Structure before Chimney & anywhere on steel surfaces in NTPC plant.</p> <p>Supply and erection of 'Scaffolding/ 'Manlift or Boom lift' will be in the scope of the vendor or as specified in the tender document.</p> <p>Painting work may be required to carry out up to a height of 100 meter from Ground or as specified in the tender document.</p> <p>PAINT MATERIALS (in VENDOR'S SCOPE)</p> <p>Paint manufacturers shall furnish the characteristics of all paint's materials on printed literature, along with the test certificate for all specified characteristics given in this specification. All the paint materials shall be on first quality and conform to the following general characteristics as mentioned below.</p> <p>Heat resistant Paints must be used for Painting of un-insulated hot structures, like Safety Valve Discharge Pipes, Silencers, Vents, mills etc.</p> <p>Also, Fluorescent paint shall be used in painting of Steel ladders of Boiler Support System.</p> <p>Thinner used for application of EACH paint coat, shall be in scope of agency, for which NO EXTRA COST shall be paid.</p> <table><tr><th>SI No</th><th>Area Description</th><th>Initial Coat</th><th>Intermediate coat</th><th>Finish coat</th><th>Finish coat</th><th>Total DFT in Microns</th></tr><tr><td>01</td><td>Buckstays ,Boiler support structure, Galleries & Stairways ,inter connecting walkways</td><td>Suitable primer e.g.' ZINC SILICATE or SURFACETOLERANT PRIMER (01 coat)</td><td>EPOXY based pigmented paint (01 coat)</td><td>Epoxy finish (02 coat)</td><td>ACRYLIC PU PAINT (01 coat)</td><td>250 microns</td></tr><tr><td></td><td></td><td>75 microns</td><td>75 microns</td><td>35 microns each</td><td>30 microns</td><td>250 microns</td></tr></table> <p>Indenter may specify / add tables as per painting system adopted for various structure/equipment / piping.</p> <p>Painting System</p> <p>1. Covering capacity and DFT depends on method of application. Covering capacity specified above are theoretical. Allowing the losses during application, minimum specified DFT should be maintained.</p> <p>2. All primers and finish coats should be cold cured and air drying unless otherwise specified.</p> <p>3. All paints shall be applied in accordance with manufacturer's instructions for surface preparation, intervals, curing and application. The surface preparation, quality and workmanship should be ensured.</p>					SI No	Area Description	Initial Coat	Intermediate coat	Finish coat	Finish coat	Total DFT in Microns	01	Buckstays ,Boiler support structure, Galleries & Stairways ,inter connecting walkways	Suitable primer e.g.' ZINC SILICATE or SURFACETOLERANT PRIMER (01 coat)	EPOXY based pigmented paint (01 coat)	Epoxy finish (02 coat)	ACRYLIC PU PAINT (01 coat)	250 microns			75 microns	75 microns	35 microns each	30 microns	250 microns
SI No	Area Description	Initial Coat	Intermediate coat	Finish coat	Finish coat	Total DFT in Microns																					
01	Buckstays ,Boiler support structure, Galleries & Stairways ,inter connecting walkways	Suitable primer e.g.' ZINC SILICATE or SURFACETOLERANT PRIMER (01 coat)	EPOXY based pigmented paint (01 coat)	Epoxy finish (02 coat)	ACRYLIC PU PAINT (01 coat)	250 microns																					
		75 microns	75 microns	35 microns each	30 microns	250 microns																					

		<p>4.The colour coding scheme of NTPC shall be followed and the scheme be provided by NTPC.</p> <p>5.The agency shall guarantee successful performance of painting system for a period of Minimum 60 months from the date of completion of the job.</p> <p>Surface preparation</p> <p>Before taking up the surface preparation work, the extent of work involved & the methodology for thorough cleaning of the surface shall be jointly assessed by the agency and NTPC. Accordingly, suitable cleaning methods for surface preparation based on the surface condition may be carried out by the agency prior to painting.</p> <p>AGENCY'S SCOPE</p> <p>1. Before start of application of paint, painting methodology/procedure to be finalized and approval of EIC to be obtained.</p> <p>2. Paint materials should be stored at demarcated place in clean, cool and dry condition. Fire extinguishers should be available at place of paint storage.</p> <p>3. Blasting machines, compressors and their accessories, blasting abrasive, power tools, scrappers, Gloves, Brushes, wire brushes, emery paper, buffing machines and buffing wheels, sandpaper, cotton waste, markin cloth to be arranged by the agency at his own cost. For spray-painting, spray nozzles and mixing containers etc. are in agency's scope.</p> <p>4. For water washing, water tankers, pump, hose, nozzles etc. shall be arranged by the agency. Water shall be provided by NTPC to agency free of cost.</p> <p>5. Dry film thickness meter with valid calibration certificate, Wet film thickness gauges, Motorized stirrer for paint mixing, Psychrometer for measurement of RH and all other instruments, tools and tackles required for the job and inspection.</p> <p>6. Agency should estimate the available area and calculate the required quantity of paint before mixing the paint.</p> <p>7. Vendor has to maintain records for cleaning of surface, OFT checking of old paint before applying new paint, OFT checking of every coat. The agency shall maintain register on daily basis and should be available at the site for verification.</p> <p>8. Taking connections from Employer's terminal points (for electricity) to respective work locations. Required electrical fixtures, cables, bulbs, flood lights, fittings etc. is in agency's scope.</p> <p>9. Other details of works as per specific station requirement shall be given in Tender documents.</p>
5	TECHNICAL QUALIFYING REQUIREMENTS	<p>The applicant should be a manufacturer of “epoxy / enamel” based paint or its authorized applicator and should have executed the work of “supply and application of epoxy / enamel paint” on “new/old” Steel surface up to a height of minimum 30 meters above ground on any Industrial structures within the preceding last five years from the last date of submission of application.</p>
	DOCUMENT TO BE SUBMITTED BY VENDOR IN SUPPORT OF MEETING QR	<p>Documents to be submitted as proof of meeting the stipulated Qualifying Requirements as stated above.</p> <p>Relevant and legible PO copies with detailed scope of work, terms and conditions, BOQ POs (issued within last Five (5) from the last date of submission of application in support of award and copy of Client's Completion certificate/RA Bill/ final deviation statement from the concerned client /copies of invoice to establish successful execution as per QR.</p> <p>NTPC may ask more documents if felt necessary.</p>

NTPC LTD USSC, VDC-RAIPUR VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS		
CEG No.		BMD-33
6	ADDITIONAL DOCUMENTS TO BE SUBMITTED	<p>In addition to the documents required in support of meeting technical requirements as stated above, following documents are required to be submitted by the applicants applying for enlistment:</p> <ol style="list-style-type: none"> 1. Three POs with BOQ of the highest executed values of similar work during previous five years from the last date of submission of application and Copy of Completion Certificate /RA Bill/Final Deviation Statement from the concerned client in support of successful execution of jobs against each of the POs to be submitted. 2. Audited balance sheet including Profit & Loss statement for the previous three completed financial years reckoned from the date of application. In case the audited documents are not ready / available, then certified copy by a registered practicing Chartered accountant may be submitted. 3. NSIC / SSI / MSME registration certificate if applicable. 4. PF and GST registration certificate 5. Any other documents in addition to the above which the applicant wants to submit. <p>NTPC may ask more documents if felt necessary. Also, all documents/ facilities can be verified/ assessed if required.</p>
7	NOTES	<p>1. Similar work means "The applicant should have supplied and/or applied paint on "new/old" steel surface of any Industrial structures for a minimum value of Rs. 50 Lakhs in a single PO /award / contract within the preceding last five years from the last date of submission of application."</p> <p>2. Value means basic value of the PO. Where PO value is composite (i.e. including taxes etc.), the applicant has to give break-up of composite PO value mentioning basic value, taxes etc. Any separate re-imbursement / escalation will not be considered.</p> <p>3. All other terms & conditions of enlistment are as per the Special terms & conditions (STC) available at VDC portal vdc.ntpc.co.in"</p> <p>https://vdc.ntpc.co.in/UploadedFiles/Documents/STC.pdf</p>
8	QUALITY PLAN (IF APPLICABLE)	Applicable
9	CATEGORY OF ENLISTMENT	CATEGORY-1