

**FORMAT B.1****Format for Technical Pre-Bid Queries****Tender TPSODL/OT/2024-25/005****Packag Purchase Order for 33KV Arc blast jacket with accessories****Bidder :****Note :** The said format to be used only for Technical Pre-Bid Query. Any Commercial Query has to be strictly in Format B2 Format for Commercial Pre-Bid Query and sent seperately

Format to be used for query regarding Technical Pre-Qualification Requirement, Safety Pre-Qualification Requirement, Technical Set of Documnt

**Pre-Bid Query has to be sent in editable Excel file fomate only****Pre-Bid Query has to be sent through e-mail in TPSODL E-Tender System**

Sr. No.	Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPSODL Response
1	2	3	4	5
1	Specification for 33KV Arc Flash jacket with accessories DOC. NO.: ENG-EHV-SPECIFICATION FOR 33KV ARC FLASH JACKET WITH ACCESSORIES			
		k) EN 343: Waterproof and breathable - Class 3-3	<b>NOT REQUIRED FOR ARC FLASH KITS FOR 33KV. PLEASE CLARIFY IF YOU REQUIRED THE SAME AS THIS IS RELEVANT FOR FLAME RETARDANT WEATHER PROTECTION.</b>	Specification to be complied.
		o) EN 20471: High visibility warning clothing for professional use	<b>HIGH VISIBILITY IS NOT REQUIRED FOR ARC FLASH KITS FOR 33KV. AVAILABLE COLOURS ARE NAVY BLUE &amp; METAL GREY. HOWEVER, WE CAN SUPPLY THE SAME IN HIGH VIZIBILITY COLOUR AS WELL IF REQUIRED AT YOUR END. PLEASE CLARIFY.</b>	Noted. Color of jackets should be Dark Blue
		u) IEC 61340-2-3: Methods of test for determining the resistance and resistivity of solid materials used to avoid electrostatic charge accumulation	<b>Methods of test for determining the resistance and resistivity of solid materials used to avoid electrostatic charge accumulation, specially for single layer uniforms. BUT 40 CAL ARC FLASH SUITS FOR 33KV IS MADE OF MULTIPLE FABRIC / LAYERS SO SHOULD NOT BE APPLICABLE.</b>	BA should submit the type test against the test mentioned in clause No: 5.1 only
		Principal Parameter : • Arc Thermal Protective Value (ATPV) shall be more than 50 cal/cm2 • Energy incident limit (ELIM) as per IEC IEC 61482-1-1:2019 shall be more than 40 cal/cm2 • Jacket & bib overall/trouser shall be made of multilayer fabric weighing 410 GSM(±5%) • All claimed parameter should be marked on suit through a label or printed. • All product should be manufactured by single manufacturer.	<b>our jacket, bib-trouser and hood's Arc Thermal Protective Value (ATPV) is more than 40 cal/cm2 i.e. 45 cal/cm2 (which we are currently supplying to Tata steel, JSPL, OCPL, TPWODL, Vedanta, Siemens etc.). As per NFPA standard, more than 40 Cal ATPV at any work-place is not suitable to work on-line/off-line. ** Our fabric weight is 470GSM instead of your mentioned 410GSM. All other Parameters we are matching. ** Since 40 Cal arc flash kits are a combination of multiple different type of arc flash PPEs, it is not possible to find a common manufacturer for all items. All items like Jacket-Trouser-Hood, Helmet, Visor, Hand gloves and bag - have different OEMs (category-wise).</b>	Specification to be complied. The details will be reviewed during TER with sample verification by checking the arc flash kits which is a combination of multiple different type of arc flash PPEs.
		As per your recent corrigendum Class 04 Electrical Insulated Hand Gloves is not required.	kindly suggest if you need Arc rated Fabric Overgloves.	Arc flash fabric overgloves required

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