

**Scope of work and Terms and Conditions for making ready IPBD Bhusawal Main at CPRI Bhopal:**

S No.	Description	REMARK COLUMN
A	<b>Making ready IPBD Main sample for Temperature Rise test</b>	<b>Location of work – CPRI Bhopal Material Code- RU7259118059</b>
1	Shifting of sample (both parts) inside Temperature rise lab.	Refer (drg. No. 31261917209 Rev 00) for Part-1 and refer (drg. No. 31261917210 Rev 00) for Part-2. Vendor shall have to arrange own mobile crane (Capacity 12 ton) for shifting of ducts along with helper & necessary belt required for lifting.
2	Alignment and welding/bolting of 2 Phase assy. structure with 1 phase assy. structure.	Support structure is fitted with job. Vendor shall have to assemble/weld structures of R& Y Phase ( see detail- A of drawing- 31261917209) with structure of B Phase ( see detail B of drawing- 31261917210) .
3	Alignment and welding of shunt at the location marked in attached drawing (Drawing no.- 31261817209 R0).	Shunt of R&Y assembly has to be welded with B Phase assembly. For this AL. welder, argon gas etc. required to execute the job may be arranged by bidder. AL. welder must possess certificate from reputed companies ( e.g BHEL/NTPC/Lyods etc.).Dye penetration test has to be performed at welded joint made by the vendor. Cleaner, developer & penetrant required shall be in the scope of bidder.
4	Preparation of testing (including following work).	It includes mainly following work: (a) Bolting of 8 nos. shorting bars with all 3 phase conductors. (b) Completeness of all bolted connections. Checking, cleaning, re-tightening of bolted connection shall be in the scope of bidder. (c) Assistance in making power source connection (this may include tightening cleaning etc).  All manpower along with tools required to perform above mentioned works shall be in the scope of bidder.
5	Dismantling of job after testing at CPRI Bhopal .	This includes shunt cutting, dismantling/cutting of support structure, dismantling of shorting bar. Minor modification, re-enforcement to be done in support structure so as to make it suitable for transportation.

S No.	Description	REMARK COLUMN
B	Making ready IPBD Main sample for Impulse Test	Location of work – CPRI Bhopal Material Code- RU72591118067
1	Loading of test samples on truck .	Loading of test sample Part-1 Refer (drg. No. 31261917209 Rev 00) & test sample Part-2 (Refer drg. -31261917210 Rev-00) on truck. Vendor shall have to arrange own mobile crane (Capacity at least 12 ton) for shifting of ducts along with helper & necessary belt required for lifting.
2	Transport of samples to Impulse lab	Vendor shall have to arrange truck for transport of sample Part-1 & sample Part-2 to impulse test lab at CPRI Bhopal.
3	Unloading of sample	Unloading of sample Part-1 & sample Part-2. Vendor shall have to arrange own mobile crane (Capacity at least 12 ton) for shifting and unloading of ducts along with helper & necessary belts required for lifting at CPRI Bhopal.

**NOTES**

- Raw Material like Al. Plate and fasteners required shall only be supplied by BHEL. All other items like labours, consumables etc shall be in the scope of bidder.
- All tools and tackles including drilling m/c, cutting, grinding, welding m/c etc shall be in the scope of vendor.
- Any other minor work like cleaning of sample, drilling of extra holes etc. not specified above but necessary for making ready the above sample for testing shall be in the scope of vendor.
- Vendor to carry out DP test where welding has been done on busduct at CPRI.
- Gate Passes will be arranged by BHEL on submission of required documents.
- Verification of work shall be done by BHEL Engineer after completion of work and the same will provide completion certificate.
- BHEL representative shall be available at CPRI Bhopal to assist vendor in coordination of activities related to type test with CPRI Bhopal

**Terms and Condition:**

1. EMD – As per works policy
2. Security Deposit- As per works policy
3. Payment Terms – 100% payment within 45 days after completion of work based on submission of invoice and work completion certificate issued by authorized representative of BHEL Rudrapur.
4. LD shall be applicable as per standard LD terms. *0.5% / week*
5. Schedule start date of work – Within 5 days of award of work order.
6. Schedule completion date of work – Within 10 days from date of test at CPRI Bhopal.

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