## REFURBISHMENT/REPAIRS OF IMPHAL SECTT. BRANCH BOQ for Electrical Installation Works ANNEXURE-III

1 Sub-main line:-  Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 11KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with supply, installation, commissioning of all the materials required including proper termination, connection in complete as required from main DB to various DBs:-  i) with 3nos 4sq.mm (1ECC) RM 60  ii) with 3nos 4sq.mm (1ECC) RM 90  2 Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB Make - Legrands/ Havells/L&T/SIEMENS or equivalent) and connecting the same to the system.  i) Computer/Raw power DB, SPN double door with 40A (30mA)DP RCCB as incomer & 3nos 10A SP MCB as outgoing.  ii) DB with 63A TP MCB. No.s 2  iii) DB with 63A TP MCB. No.s 2  iv) DB with 3A DP MCB. No.s 2  v) DB with 32A DP MCB. No.s 2  vi) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 5 Nos. 32A SP MCB's at outgoing Set 1  vii) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 1 No. of 63A SP MCB's at outgoing Set 1  viii) Light DB SPN double door with 32A (30mA)DP MCB as outgoing Set 1  viii) Light DB SPN double door with 32A (30mA)DP MCB as outgoing Set 1	SI.No.	Description	иом	Qty.	Rate (Rs.) (Exclusive of GST on work contract)	Amount (Rs.) (Exclusive of GST on work contract)
size with core PVC insulated stranded copper wire  11KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with supply ,installation, commissioning of all the materials required including proper termination, connection in complete as required from main DB to various DBs:-  i) with 3nos 4sq.mm (1ECC) RM 60  ii) with 3nos 6sq.mm (1ECC) RM 90  2 Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB Make - Legrands/ Havells/L&T/SIEMENS or equivalent) and connecting the same to the system.  i) Computer/Raw power DB, SPN double door with 40A (30mA)DP RCCB as incomer & 3nos 10A SP MCB as outgoing.  ii) DB with 63A TP MCB.  iii) DB with 63A DP MCB.  v) DB with 16A DP MCB.  v) DB with 16A DP MCB.  vi) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 5 Nos. 32A SP MCB's at outgoing Set 1  viii) Light DB SPN double door with 32A (30mA)DP MCB	1	Sub-main line:-				
11KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEl or equivalent) and with supply ,installation, commissioning of all the materials required including proper termination, connection in complete as required from main DB to various DBs:-  i) with 3nos 4sq.mm (1ECC) RM 60  ii) with 3nos 4sq.mm (1ECC) RM 90  2 Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB Make - Legrands/ Havells/L&T/SIEMENS or equivalent) and connecting the same to the system.  i) Computer/Raw power DB, SPN double door with 40A (30mA)DP RCCB as incomer & 3nos 10A SP MCB as outgoing. No.s 1  ii) DB with 63A TP MCB. No.s 2  iii) DB with 63A DP MCB. No.s 2  iv) DB with 16A DP MCB. No.s 2  v) DB with 32A DP MCB. No.s 4  vi) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 5 Nos. 32A SP MCB's at outgoing Set 1  viii) Light DB SPN double door with 32A (30mA)DP MCB  viii) Light DB SPN double door with 32A (30mA)DP MCB		Wiring in MS conduit of IS specification of Proper				
Richa/KEI or equivalent) and with supply ,installation, commissioning of all the materials required including proper termination, connection in complete as required from main DB to various DBs:-  i) with 3nos 4sq.mm (1ECC) RM 60  ii) with 3nos 6sq.mm (1ECC) RM 90  2 Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB Make - Legrands/ Havells/L&T/SIEMENS or equivalent) and connecting the same to the system.  i) Computer/Raw power DB, SPN double door with 40A (30mA)DP RCCB as incomer & 3nos 10A SP MCB as outgoing.  ii) DB with 63A TP MCB. No.s 2  iii) DB with 63A DP MCB. No.s 2  iv) DB with 16A DP MCB. No.s 2  vi) DB with 16A DP MCB. No.s 2  vi) DB with 32A DP MCB. No.s 4  Pole MCCB ( 36kA) as incomer and 5 Nos. 32A SP MCB's at outgoing Set 1  viii) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 1 No. of 63A SP MCB , 6 nos. of 32 A SP MCB, 2 nos of 16A SP MCB at outgoing Set 1  viii) Light DB SPN double door with 32A (30mA)DP MCB		size with core PVC insulated stranded copper wire				
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ii) DB with 63A TP MCB.  iii) DB with 63A DP MCB.  iv) DB with 16A DP MCB.  v) DB with 32A DP MCB.  vi) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 5 Nos. 32A SP MCB's at outgoing  vii) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 1 No. of 63A SP MCB, 6 nos. of 32 A SP MCB, 2 nos of 16A SP MCB at outgoing  viii) Light DB SPN double door with 32A (30mA)DP MCB		(30mA)DP RCCB as incomer & 3nos 10A SP MCB as				
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Pole MCCB ( 36kA) as incomer and 5 Nos. 32A SP MCB's at outgoing  Vii) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 1 No. of 63A SP MCB, 6 nos. of 32 A SP MCB, 2 nos of 16A SP MCB at outgoing  Viii) Light DB SPN double door with 32A (30mA)DP MCB				4		
MCB's at outgoing  Vii) VTPN Double Door Distribution Board with 125A 4 Pole MCCB ( 36kA) as incomer and 1 No. of 63A SP MCB , 6 nos. of 32 A SP MCB, 2 nos of 16A SP MCB at outgoing Set  Viii) Light DB SPN double door with 32A (30mA)DP MCB	vi)					
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outgoing     Set     1       viii) Light DB SPN double door with 32A (30mA)DP MCB     1		•				
viii) Light DB SPN double door with 32A (30mA)DP MCB				4		
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Sl.No.	Description	иом	Qty.	Rate (Rs.) (Exclusive of GST on work contract)	Amount (Rs.) (Exclusive of GST on work contract)
3	Supplying, installing and commissioning of PVC				
	Armored cable complete with proper cable glands				
	and two nos. of 8SWG GI wire (Havell's/Richa/RR				
	kebel/KEI or equivalent) alongwith all the other				
	materials required including proper connection in				
	complete as required from main Panel, Power				
	Distribution Board to various DBs .				
i)	With 3.5 core x 35 sq. mm cable	RM	30		
4	Supply, installing and commissioning of earth station				
	including digging and refilling back the pit with black				
	soil and with 3.15mm x300mm size copper plate duly				
	tinned through out the surface of the plate, placed at				
	least 1.5Mtr,below the ground level with 2nos				
	10sq.mm PVC insulated stranded copper conductor				
	in 20mm GI pipe, fixed to the plate and providing				
	40mm,2mtr,long GI pipe with reducer and funnel at				
	top for watering pipe with supplying and laying earth				
	continuity wire of 2x10sq.mm copper stranded PVC				
	green color in heavy duty MS conduit on the wall				
	from earth plate to starting point of the line earth				
	connector.	Set	4		

Computer/Raw Power point wiring in MS conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade(Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from CDB/PDB(Raw) .The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel	Amount (Rs.) Exclusive of GST on work contract)
single core PVC insulated stranded copper wire 1.1KV grade(Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from CDB/PDB(Raw) .The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
grade(Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from CDB/PDB(Raw). The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
or equivalent) and with all material supply installation and commissioning complete from CDB/PDB(Raw). The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
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surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
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Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure	
computer terminal on sheet steel enclosure	
conduit and fixed to the wall partition furniture with	
all interconnection and proper earthing .All the	
opening shall be covered with blank plate and be	
sealed to make the box vermin proof.B48(maximum	
three points in single circuit)  i) With 3nos 6A socket with single 16A switch.  No.s  8	
ii) With 2nos 16A socket with individual switch. No.s 3	
iii) With 1nos 16A socket with individual switch. No.s 2	
6 Supply, installation testing and commissioning of Nos recessed type LED luminaire with complete PMMA Difuser with 35W LED lamp (size 2"X 2").  Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	
7 Supply installation testing and commissioning of LED batten Single Tube light fittings with 17W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	
8 Supply and installation of Wall Mounted fan 400 mm crompton/bajaj/usha/havell's make No.s 4	
9 Supply and installation of Exhaust Fan 300 mm crompton/bajaj/usha/havell's make No.s 3	

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST on work contract)	Amount (Rs.) (Exclusive of GST on work contract)
10	Wiring for light/fan/exhaust fan points using 3 X 1.5				
	1.1 kV grade PVC insulated stranded copper				
	conductor wire(Finolex/Havell's/Richa/RR kebel/KEI				
	or equivalent) for phase, neutral and earth in 25 mm				
	dia heavy duty MS conduit along with associated				
	accessories like MS junction boxes, bends, saddles,				
	screws et. concealed in wall, floor, under flooring,				
	below false ceiling or on surface as well as suspended				
	from ceiling with 25mm X 3 mm MS flat suspenders				
	duly painted above false ceiling from individual				
	light/Fan/Exhaust Fan point outlet. etc. to individual				
	modular type switch boards, 10 Amp modular plate				
	type switches etc.(MK/Legrands/Havel's or				
	equivalent), as required complete including circuit				
	wiring with 3 X 2.5 sqmm. 1.1 kV grade PVC insulated				
	stranded copper conductor wire and as per site				
	requirement and as instructed by SBIIMS Engineer.				
i)	one light/fan controlled by one switch	No.s	30		
ii)	6A socket & switch at same board	No.s	5		
	GST on work contract will be extra as applicable.			Grand Total	







