

**AMENDMENT NO.1 Dated 30.09.2016**

**Ref: Tender No. HLL/CHO/HCS/PROJ/2016-17/08 dated 19-09-2016**

The following amendments have been incorporated to the bid document for the above tender -  
**Tender for SETTING UP OF CLINICAL LAB AND SCANNING CENTRE AT SEC 39 , GURGAON , HARYANA.**

**Description of Following items of Price bid Specifications have been amended as below :**

<b>SOQ.Item.No.</b>	<b>Existing Description</b>	<b>Amended now as :</b>
A21	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (Lowest retail price not less than Rs.50/ft <sup>2</sup> )
A22	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete:	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete: Size of Tile

	Size of Tile 600x600 mm sqm	600x600 mm sqm (Lowest retail price not less than Rs.900/m <sup>2</sup> )
A23	Providing and laying antiskid ceramic/premium range tile flooring of approved quality, size, colour and thickness according to the dimensions of tiles and having scratch hardness and other parameter conforming to IS 13630 (Bell or Navin or Spartek or Jhonson or Kajaria or Somany or equivalent make) laid over a bed/backing with cement mortar (using manufactured sand) of mix and thickness as specified below, with cement slurry at 3.30kg/sqm, close jointed and pointed with matching white cement slurry mixed with approved pigment and finishing to required level, curing etc., complete all as per specification and as directed by engineer in charge at all floors: In flooring with approved colour floor tiles (regular/light or dark colour) of size 300mmx300mm over bed/backing of 20mm thick in CM 1:4	Providing and laying antiskid ceramic/premium range tile flooring of approved quality, size, colour and thickness according to the dimensions of tiles and having scratch hardness and other parameter conforming to IS 13630 (Bell or Navin or Spartek or Jhonson or Kajaria or Somany or equivalent make) laid over a bed/backing with cement mortar (using manufactured sand) of mix and thickness as specified below, with cement slurry at 3.30kg/sqm, close jointed and pointed with matching white cement slurry mixed with approved pigment and finishing to required level, curing etc., complete all as per specification and as directed by engineer in charge at all floors: In flooring with approved colour floor tiles (regular/light or dark colour) of size 300mmx300mm over bed/backing of 20mm thick in CM 1:4 (Lowest retail price not less than Rs.50/ft <sup>2</sup> )
A30	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish

	and polishing to edges to give high gloss finish etc. complete at all levels. Area of slab over 0.50 sqm	etc. complete at all levels: Granite of any colour and shade. Area of slab over 0.50 sqm
B17	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single / multiple pipe line :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single / multiple pipe line :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5
C1.1	The panel should comprise of the following items:  800A TPN Aluminium Bus bars with heat shrinkable insulation sleeves - 1 set. Necessary interconnections.  Incomer :  <b>800 A 4 Pole 50kA micro processor based EDO Motorised type ACB with</b>	The panel should comprise of the following items:  800A TPN Aluminium Bus bars with heat shrinkable insulation sleeves - 1 set. Necessary interconnections.  Incomer :  <b>630A 4 Pole 35kA micro processor based MCCB having isolation duty with 3Nos.</b>

<p><b>3Nos. Over current , SC and 1No. Earth fault release with shunt trip coil- 1 no.for EB</b></p> <p><b>800 A 4Pole 50kA micro processor based EDO Motorised type ACB with 3Nos. Over current &amp; SC release with shunt trip coil- 1 no. for DG</b></p> <p>Standby low set E/F relay with CR 5P10 CTs of suitable burden - 2 sets</p> <p>RYB indication lamps and controlling MCBs - 2 set</p> <p>Digital Multifucntion meter for V,A,kW,kWH,PF,HZ,kVA &amp;kVAr with CR CTs CL:1 for all incoming feeders with RYB indication lamps - 2 Set</p> <p>KWh meter with control fuse on DG incomer - 1 set</p> <p>Frequency Meter on DG incomer - 1 set</p> <p>Load On/Power On indicator with control fuse - 2 set</p> <p>PLC Controller for auto operation of transformers/DG sets . Interfacing with Desktop PC for remote monitoring and control of MSB, Transformer and DG Set , providing licenced software. The scope of work includes providing necessary control cables also.Outgoing :</p> <p>250 A MCCB 50kA TPN Microprocessor based with isolation duty with OC and SC releases - 4 set</p> <p>200 A MCCB 50kA TPN Microprocessor</p>	<p><b>Over current , SC and 1No. Earth fault release with shunt trip coil- 1 no.for EB</b></p> <p><b>630A 4Pole 35kA micro processor based MCCB having isolation duty with 3Nos. Over current &amp; SC release with shunt trip coil- 1 no. for DG</b></p> <p>Standby low set E/F relay with CR 5P10 CTs of suitable burden - 1 set</p> <p>RYB indication lamps and controlling MCBs - 2 set</p> <p>Digital Multifucntion meter for V,A,kW,kWH,PF,HZ,kVA &amp;kVAr with CR CTs CL:1 for all incoming feeders with RYB indication lamps - 2 Set</p> <p>KWh meter with control fuse on DG incomer - 1 set</p> <p>Frequency Meter on DG incomer - 1 set</p> <p>Load On/Power On indicator with control fuse - 2 set</p> <p>PLC Controller for auto operation of transformers/DG sets . Interfacing with Desktop PC for remote monitoring and control of MSB, Transformer and DG Set , providing licenced software. The scope of work includes providing necessary control cables also.</p> <p>Outgoing :</p> <p>250 A MCCB 50kA TPN Microprocessor based with isolation duty with OC and SC</p>
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	<p>based with isolation duty with OC and SC releases - 3 set</p> <p>100 A MCCB 50kA TPN Microprocessor based with isolation duty with OC and SC releases - 3 set</p> <p>Digital Multifucntion meter for V,A,kW,kWH,PF,Hz,kVA &amp;kVAr with CR CTs CL:1 for all outgoing feeders with RYB indication lamps - 10 Sets</p> <p>Panel Board as per above specification - 1 No.</p>	<p>releases - 4 set</p> <p>200 A MCCB 50kA TPN Microprocessor based with isolation duty with OC and SC releases - 3 set</p> <p>100 A MCCB 50kA TPN Microprocessor based with isolation duty with OC and SC releases - 3 set</p> <p>Digital Multifucntion meter for V,A,kW,kWH,PF,Hz,kVA &amp;kVAr with CR CTs CL:1 for all outgoing feeders with RYB indication lamps - 10 Sets</p> <p>Panel Board as per above specification - 1 No.</p>
C1.4	<p>APFC PANEL :</p> <p>Incomer : <b>200A MCCB</b> 35kA TPN withO/C and S/C releases - 1 set, Digital Multifucntion meter for V,A,kW,kWH,PF,Hz,kVA &amp;kVAr with CR CTs CL:1 with RYB indication lamps - 1 Set</p> <p>200A Aluminum bus bar with heat shrinkable insulation sleeves - 1 set</p> <p>Intelligent power factor controller with control MCB including providing control cable and connections form MSB to Capacitor panels, etc. complete</p> <p>Out Going :</p> <p>63 A MCCB 25kA TPN with OC and SC releases - 6 set</p> <p>ON-OFF DUTY Contactor Capacitor ( AC</p>	<p>APFC PANEL :</p> <p>Incomer : <b>250A MCCB</b> 35kA TPN withO/C and S/C releases - 1 set, Digital Multifucntion meter for V,A,kW,kWH,PF,Hz,kVA &amp;kVAr with CR CTs CL:1 with RYB indication lamps - 1 Set</p> <p>200A Aluminum bus bar with heat shrinkable insulation sleeves - 1 set</p> <p>Intelligent power factor controller with control MCB including providing control cable and connections form MSB to Capacitor panels, etc. complete</p> <p>Out Going :</p> <p>63 A MCCB 25kA TPN with OC and SC releases - 6 set</p> <p>ON-OFF DUTY Contactor Capacitor ( AC 6B duty) - 6 set</p>

	<p>6B duty) - 6 set</p> <p>7% block reactor - 6 set</p> <p>20kVAr Capacitor bank - 2 Nos.</p> <p>15kVAr Capacitor bank - 1 No.</p> <p><b>10kVAr Capacitor bank - 3 Nos.</b></p> <p>5kVAr Capacitor bank - 1 Nos.</p> <p>Panel Board as per above specification - 1 No.</p>	<p>7% block reactor - 6 set</p> <p>20kVAr Capacitor bank - 2 Nos.</p> <p>15kVAr Capacitor bank - 1 No.</p> <p><b>10kVAr Capacitor bank - 4 Nos.</b></p> <p>5kVAr Capacitor bank - 1 Nos.</p> <p>Panel Board as per above specification - 1 No.</p>
C2.2	<p>Supply, installation, testing and commissioning of a neutral CT of ratio <b>100/5A</b>, CL:5P10 ,15VA in a suitable metallic sheet steel enclosure in the transformer neutral for low set E/F protection, control cabling to the E/F relay including termination etc.</p> <p>complete</p>	<p>Supply, installation, testing and commissioning of a neutral CT of ratio <b>120/5A</b>, CL:5P10 ,15VA in a suitable metallic sheet steel enclosure in the transformer neutral for low set E/F protection, control cabling to the E/F relay including termination etc.</p> <p>complete</p>
C2.4	<p>Supply, Installation, Testing and Commissioning of 400KVA, silent type, water cooled, radiator type, four stroke, electric start D.G Set with acoustic enclosure and standard control panel. The engine shall be capable of taking 10% overload for one hour after 12 hours of continuous operation. The DG shall be suitable for AMF operation. The alternator shall be brushless, self excited, self regulated, SPDP enclosure, class F/H insulation, suitable for continuous operation at 1500 rpm, generating 415 V +/- 5% at 0.8 p.f, 50Hz, 0.85 load factor, 3 phase, 4 wire system generally conforming to BS: 2613 &amp; IS: 4722.</p>	<p>Supply, Installation, Testing and Commissioning of 400KVA, silent type, water cooled, radiator type, four stroke, electric start D.G Set with acoustic enclosure and standard control panel. The engine shall be capable of taking 10% overload for one hour after 12 hours of continuous operation. The DG shall be suitable for AMF operation. The alternator shall be brushless, self excited, self regulated, SPDP enclosure, class F/H insulation, suitable for continuous operation at 1500 rpm, generating 415 V +/- 5% at 0.8 p.f, 50Hz, 0.85 load factor, 3 phase, 4 wire system generally conforming to BS: 2613 &amp; IS: 4722.</p> <p>The DG set control panel shall be</p>

	<p>The DG set control panel shall be provided with all engine protection equipments, indications etc The DG set shall be suitable for AMF operation including all necessary control cabling From DG set to AMF panel. The DG set control panel shall have 600A, 25kA TPN thermal magnetic type MCCB with OL, SC and EF protection, RYB, on/off indication lamp, voltmeter, ammeter, energymeter, frequency meter etc The Low set earth fault relay shall be provided in control panel with CT of <b>50/5A</b> 10VA Cl. 5P10 at DG neutral.</p> <p>Both Engine and Alternator shall be mounted on common channel iron base Frame and with standard accessories such as antivibration pad, lead acid batteries (as specified by engine manufacturer) and engine driven battery charger along with leads, battery stand, fuel piping From fuel tank, electronic governor, Residential silencer, suitable size cable termination box, required</p> <p>Danger boards, signage, lettering ,external battery charger etc as required. Rate shall be inclusive of all lift, lead charges. The work should be as per</p> <p>Electrical Inspectorate / Pollution control board norms.</p>	<p>provided with all engine protection equipments, indications etc The DG set shall be suitable for AMF operation including all necessary control cabling From DG set to AMF panel. The DG set control panel shall have 600A, 25kA TPN thermal magnetic type MCCB with OL, SC and EF protection, RYB, on/off indication lamp, voltmeter, ammeter, energymeter, frequency meter etc The Low set earth fault relay shall be provided in control panel with CT of <b>120/5A</b> 10VA Cl. 5P10 at DG neutral.</p> <p>Both Engine and Alternator shall be mounted on common channel iron base Frame and with standard accessories such as antivibration pad, lead acid batteries (as specified by engine manufacturer) and engine driven battery charger along with leads, battery stand, fuel piping From fuel tank, electronic governor, Residential silencer, suitable size cable termination box, required</p> <p>Danger boards, signage, lettering ,external battery charger etc as required. Rate shall be inclusive of all lift, lead charges. The work should be as per</p> <p>Electrical Inspectorate / Pollution control board norms.</p>
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