

BHAKRA BEAS MANAGEMENT BOARD

NOTICE INVITING TENDERS

NIT No. 01/2018 dated 07.05.2018 O&M Division BBMB Dhulkote	
Name of Office :	Addl Superintending Engineer, O&M Division BBMB Dhulkote, Ambala City-134007, Haryana
Name of Work	White Wash & Renovation of toilet at SLDC Complex, BBMB Chandigarh.
Last date of issue of Tender Documents	21.05.2018 Upto 1700 Hrs
Website for details	The detailed NIT may be downloaded from BBMB official Website www.bbmb.gov.in
Total cost of the work	Rs. 6.40 Lacs
Earnest Money to be Deposited	Rs. 6400/-

(Er. Narendra Sharma)
Addl Superintending Engineer
O&M Division, BBMB Dhulkote,
Ambala City.

BHAKRA BEAS MANAGEMENT BOARD (PW)

NIT No. 01

Dated: 07.05.2018

Sealed Tenders are hereby invited on behalf of BBMB for the execution of the following work from reputed civil contractors on item rate:

Sr. No.	Name of Work	Estimated Cost	Earnest Money	Validity	Completion Period	Date of Opening of Tenders
01	White Wash & Renovation of toilet at SLDC Complex, BBMB Chandigarh.	6.40 Lacs.	6400/-	90-days	3-months	22.05.2018 at 15:30 Hrs

1. Tender documents can be purchased against cash payment of Rs.1180/- (Inclusive of GST) (Rs. One Thousand One Hundred Eighty Only) (Non-Refundable) from the office of undersigned on any working day between 09:00 AM to 05:00 PM upto 21.05.2018 by Demand Draft in favour of Accounts Officer (Payments) BBMB Dhulkote Ambala City payable on any scheduled bank at Ambala. Documents can also be downloaded from BBMB website www.bbmb.gov.in. The tenders of only those tenderers/ contractors will be accepted/ entertained, who will purchase the tender documents well in advance.
2. Request for issuance of tender forms must accompany copy of pan card & documentary evidence as below:-
 - i) Experience:-
 - a) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost (i.e Rs. 6.40 Lacs)
 - b) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which bids are invited should be either of the following:-
 - i) Three similar completed works costing not less than the amount equal to 40% of the estimated cost (i.e Rs. 6.40 Lacs)
 - or
 - ii) Two similar completed works costing not less than the amount equal to 50% of the estimated cost(i.e Rs. 6.40 Lacs)
 - or
 - iii) One similar completed work costing not less than the amount equal to 80% of the estimated cost. (i.e Rs. 6.40 Lacs)
3. Complete tender will be received up to 01:00 PM on the date of opening as mentioned above and will be opened on same day i.e. 22.05.2018 at 03:30 PM in the office of the undersigned in the presence of contractors/ tenderer's or their authorized representatives, who may wish to be present.
4. In case due date for the receipt/ opening of the tenders happens to be a holiday, the tenders will be received/ opened on the next working day.
5. The department reserves the right to reject any or all tender(s) without assigning any reasons.

(Er. Narendra Sharma)
Addl Superintending Engineer
O&M Division, BBMB Dhulkote,
Ambala City.

एन. आई. टी. का प्रोफॉर्मा

टेंडर जारी करने वाला प्राधिकारी	अति.अधीक्षण अभियंता,ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट अम्बाला शहर – 134007-हरियाणा
टेंडर का क्षेत्र	एस एल डी सी कॉम्प्लेक्स बीबीएमबी चंडीगढ़ में वाईट वाशिंग एंव टायलेट के नवीनीकरण करने के लिए।
टेंडर क्रमांक	खुली निविदा न.01 दिनांक 07.05.2018
टेंडर जारी करने की अंतिम तिथि	21.05.2018 सांय 5 बजे तक
टेंडर देने की निश्चित तिथि व समय	22.05.2018 दोपहर 1 बजे तक
टेंडर देने की खुलने की तिथि व समय:	22.05.2018 दोपहर 3.30 बजे
टेंडर फीस	रु 1180/- मात्र (GST सहित) (Non-Refundable)
धरोहर राशी	रु 6400/-
पत्राचार का पता	अति.अधीक्षण अभियंता,ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट, अम्बाला शहर – 134007-हरियाणा
निविदा विवरण	संलग्न
वेबसाईट पर जाने की तिथि	
वेबसाईट से हटाए जाने की तिथि	
श्रेणी	सिविल कार्य

(ई.नरेन्द्र शर्मा)

अति अधीक्षण अभियंता

ओ एंड एम मण्डल, बीबीएमबी

धूलकोट,अम्बाला शहर

भाखडा ब्यास प्रबंध बोर्ड

निविदा न. 01 दिनांक 07.05.2018	
कार्यालय का नाम	अति.अधीक्षण अभियंता,ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट, अम्बाला शहर – 134007-हरियाणा
कार्य का नाम	एस एल डी सी कॉम्प्लेक्स बीबीएमबी चंडीगढ़ में वाईट वाशिंग एंव टायलेट के नवीनीकरण करने के लिए।
टेंडर जारी करने की अंतिम तिथि	21.05.2018 सांय 5:00 बजे तक
विवरण के लिए वेब साईट	विस्तृत निविदा आमंत्रण सूचना बीबीएमबी की अधिकारिक वेबसाईट www.bbmb.gov.in से डाऊनलोड की जा सकती है ।
कार्य का अनुमानित व्यय	रू 6.40 लाख
धरोहर राशि जो जमा करवानी है	रू 6400/-

(ई.नरेन्द्र शर्मा)
अति अधीक्षण अभियंता
ओ एंड एम मण्डल, बीबीएमबी
धूलकोट,अम्बाला शहर

भाखडा ब्यास प्रबंध बोर्ड

खुली निविदा क्रमांक संख्या : 01

दिनांक : 07.05.2018

अति.अधीक्षण अभियंता, ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट अम्बाला शहर -134007- हरियाणा द्वारा मोहरबंद निविदाएं सिविल ठेकेदारों से निविदाएं खुलने की तिथि तक सभी संशोधनों को ध्यान में रखते हुए आईटम रेट के आधार पर निम्नलिखित कार्य के लिए आमंत्रित की जाती हैं :

कार्य का विवरण	अनुमानित राशि (रु)	धरोहर राशि	मान्यता	पूर्ण अवधि	खोलने की तिथि
एस एल डी सी कॉम्प्लेक्स बीबीएमबी चंडीगढ़ में वाईट वाशिंग एवं टायलेट के नवीनीकरण करने के लिए।	रु 6.40 लाख	रु 6400/-	90-दिन	3-माह	22.05.2017 15:30 बजे

1. निविदा प्रलेख व.कार्यकारी अभियंता, ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट अम्बाला शहर - 134007- हरियाणा के कार्यालय से किसी भी कार्य दिवस में दिनांक 21.05.2018 तक (9:00 AM to 5:00 PM) 1180/- inclusive of GST (Rs. One Thousand One Hundred Eighty Only Non-Refundable) का डिमांड ड्राफ्ट द्वारा जोकि Accounts Officer BNB Duktte (Ambala City) के पक्ष में हो तथा अंबाला शहर स्थित किसी भी scheduled bank में payable हो, जमा कर प्राप्त किया जा सकता है। यह दस्तावेज बीबीएमबी की वेबसाईट www.bnb.gov.in से भी ले सकते हैं।

2. Request for issuance of tender forms must accompany copy of pan card & documentary evidence as below:-

i) Experience:-

a) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost (i.e Rs. 6.87 Lacs)

b) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which bids are invited should be either of the following:-

i) Three similar completed works costing not less than the amount equal to 40% of estimated cost (i.e Rs. 6.40 Lacs)

or

ii) Two similar completed works costing not less than the amount equal to 50% of the estimated cost (i.e Rs. 6.40 Lacs)

or

iii) One similar completed work costing not less than the amount equal to 80% of the estimated cost. (i.e Rs. 6.40 Lacs)

3. निविदा दिनांक 22.05.2018, 13:00 बजे तक अति अधीक्षण अभियंता, ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट अम्बाला शहर-134007- हरियाणा) के कार्यालय में पहुंचनी चाहिए। निविदा दिनांक 22.05.2018 को 15:30 बजे ठेकेदारों या उनके प्राधिकृत प्रतिनिधियों के समक्ष खोली जाएंगी।

4. यदि इस दिन अवकाश हो जाता है तो निविदाएं अगले दिन उसी समयानुसार प्राप्त/ खोली जाएंगी।

5. विभाग को बिना कोई कारण बताए निविदाएं रद्द करने का अधिकार है।

(ई.नरेन्द्र शर्मा)

अति अधीक्षण अभियंता

ओ एंड एम मण्डल, बीबीएमबी
धूलकोट, अम्बाला शहर



सेवा में,

संयुक्त निदेशक, जन सम्पर्क,
सैक्टर-19 बी, मध्य मार्ग, बीबीएमबी चण्डीगढ़ ।

क्रमांक :

दिनांक :

विषय:- निविदा आमंत्रण सूचना संख्या 01/2018-19/**Q&MKT** दिनांक 07.05.2018, ओ एंड एम मण्डल बीबीएमबी धूलकोट (अम्बाला) के प्रकाशन हेतु ।

विषय संबंधित निविदा आमंत्रण सूचना की दो प्रतियाँ हिन्दी व अंग्रेजी में निम्नलिखित समाचार पत्रों में प्रकाशन हेतु भेजी जाती है जी :

क्रमांक सं	समाचार पत्र का नाम	प्रकाशित होने वाले क्षेत्र का नाम	भाषा
01	Hindustan Times	Chandigarh	English
02	The Indian Express	Chandigarh	English
03	पंजाब केसरी	चण्डीगढ़/ अम्बाला	हिन्दी
04	दैनिक भास्कर	पानीपत/ अम्बाला	हिन्दी

उपरोक्त आपको अति शीघ्र कार्यवाही हेतु प्रेषित है जी तथा इस कार्य पर होने वाला व्यय ओ एंड एम मण्डल बीबीएमबी धूलकोट (अम्बाला) के कार्यालय के आक्समिक खर्च को प्रभारित होगा ।

संलग्न/ उपरोक्तानुसार

(ई.नरेन्द्र शर्मा)

अति अधीक्षण अभियंता
ओ एंड एम मण्डल, बीबीएमबी
धूलकोट, अम्बाला शहर

प्रतिलिपि : 1. मुख्य अभियंता/ पारिषण प्रणाली बीबीएमबी चण्डीगढ़ ।
2. उप मुख्य अभियंता/ ओ एंड एम सर्कल बीबीएमबी जमालपुर ।
3. EDP मैनेजर, Computer Cell बीबीएमबी चण्डीगढ़ को e-mail द्वारा इस अनुरोध के साथ कि विषय चर्चित निविदा आमंत्रण सूचना को BBMB Website www.bbmb.gov.in पर डाला जाए ।

Content of work

Sr. no.	Description	Qty.	Item Rate inclusive of GST
1.	Scraping: - (a) White wash and Colour wash (Pb. CSR Ref. No.8.31 (a) L/R	4009.80 Sqm.	
2.	Preparation of plastered or concrete surface for painting (including sand preparing the surface) using ready mixed cement based wall putty by applying two coats to get required finish complete (Pb. CSR Ref. No. 16.66) T/R	2616.88 Sqm.	
3.	Distempering with Acrylic washable oil bound distemper (of approved manufacture) two coats on old distempered work. (Pb. CSR Ref. No. 16.13) T/R	6542.21 Sqm.	
4.	Preparation of plastered surfaces for distempering including surface, applying filling with approved quality filler consisting of plaster of paris and chalk mitti including finishing the surface to the required finish comple. (Pb. CSR Ref. No. 16.6) T/R	581.41 Sqm.	
5.	Distempering with Dry distemper of approved manufacture two coats on old distempered surface . (Pb. CSR Ref. No. 16.10) T/R	1453.53 Sqm.	
6.	White washing (two coats) (Pb. CSR Ref.No.16.2) T/R	2091.63 Sqm.	
7.	Scraping: - (c) cement plaster (Pb. CSR Ref . No.8.31 (c) L/R	70.12 Sqm.	
8.	12.5 mm thick cement plaster 1:5 (Pb. CSR Ref. No.15.10) T/R	70.12 Sqm.	
9.	Dismantling of floor tiles at any floor of the building, laid in cement mortar including dismantling of cement concrete base and disposal of malba at a suitable place within a distance of 100 mtrs. of the complex ,complete in all respects (Pb. CSR Ref. No.30.95) A & C Slip L/R	3.18 Sqm.	
10.	Dismantling concrete or precast concrete. (e) Reinforced Cement concrete (Pb. CSR Ref.No. 8.6 (e) L/R	0.12 Cum	
11.	Cement concrete 1:2:4 with stone ballast or shingle (Pb. CSR Ref. No.10.12) (i) A & C Slip T/R	0.32 Cum	
12.	Providing & fixing 1st. Quality ceramic glazed wall tiles conforming to IS:15622 (Thickness to be specified by the manufacture of approved make in all colours ,shades ,except burgundy ,bottle green ,black of size 310x450 mm as approved by the Engineer-in- charge in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) and jointing with grey cement slurry @ 3.3 Kg. per Sqm. including pointing in white cement mixed with pigment of matching shade complete. (Pb.CSR Ref.No.14.143) T/R	19.39 Sqm.	
13.	Dismantling of wall tiles at any floor of the building, laid in cement mortar including scraping of cement plaster & disposal of malba at a suitable place within a distance of 100 mtrs.of the complex , complete in all respect (Pb.CSR Ref.No.30.94) A & C Slip L/R	9.04 Sqm.	
14.	Anti-skid floor tiles 10mm thick in flooring, skirting and dado in 12.5mm thick cement plaster 1:3 in base and jointed with white cement slurry in joints including corners angles and beading. (Pb. CSR Ref. No. 14.71) T/R	7.20 Sqm.	
15.	Black Granite stone tiles 15 mm to 20mm thick in skirting, risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing and polishing including labour for fixing dowel pins and cramps. (Pb. CSR Ref.No14.91) A & C Slip T/R	0.80 Sqm.	

16.	<p>Cutting chase in brick walls in cement or in floor for embedding G.I.or C.I.pipes line and making good the same to its original condition.</p> <p>(a) Size 75 mm x 75 mm</p> <p>(b) Size 150 mm x 150 mm (Pb. CSR Ref.No.30.85 (a & b) L/R A & C Slip</p>	<p>12.00 Mtrs.</p> <p>5.10 Mtrs.</p>	
17.	Centring & shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc. (Pb. CSR Ref. No 9.8) T/R	0.70 Sqm.	
18.	First class burnt brick work laid in cement sand mortar 1:5 in first storey upto 4 metres above plinth level (Pb.CSR Ref. No. 11.6) T/R	1.25 cum.	
19.	Cold twisted deformed (ribbed/ tor steel bar) Bars Fe- 500 grade as per IS 1786-2008 for R.C.C. works, where not included in the complete rate of R.C.C .including bending, and placing in position complete. (Pb. CSR Ref. No 18.18) T/R	0.20 qtl.	
20.	Structural steel work in angles, tees and flats, riveted or welded including cutting fixing all gusset plates, bolts, nuts, rivets, welding rod, etc. with hoisting and erecting in position (a) For roof trusses, well curbs, plates and trussed girders, etc. of any span for buildings and bridges upto 15 m span. (Pb. CSR Ref. No.18.3 (a) T/R	0.70 Qtl.	
21.	Providing and fixing in position C.P. Brass, bottle trap 32mm dia. with 40mm seal of approved make (to the approval of Engineer-in-charge) complete in all respect. (Pb. CSR Ref. No.30.44 (A) A & C Slip T/R	1 No.	
22.	Providing and fixing 15 mm C.P. Brass laboratory cock swan neck of approved make (to the approval of Engineer-in-charge) complete in all respect . (b) Laboratory cock swan neck two way (Pb. CSR Ref. No.30.68 (b) A & C Slip T/R	1 No.	
23.	Providing and fixing in position towel rails/ ring of approved make (to the approval of Engineer-in-charge) fixed in with rawl plugs embedded in walls with brass screws complete in all respect.(a) C.P. Brass towel rails 15mm dia 600 mm long (Pb. CSR Ref. No.30.58 (a) A & C Slip T/R	1 No.	
24.	Providing and fixing in position S.S. Grating with frame of approved make (to the approval of Engineer-in-charge) complete in all respect (Previously item no.30.104) (Pb CSR Ref. No.30.80) A & C Slip T/R	5 Nos.	
25.	Providing and fixing in position 15mm i/d bib cock of approved make (to the approval of Engineer-in-charge) complete in all respect. (ii) C.P. Brass bib cock without flange (Pb. CSR Ref. No.30.65 A (ii) A & C Slip T/R	2 Nos.	
26.	Providing and fixing H.C.I. Floor traps conforming to I.S.I. specification (IS:1729) of approved make (to the approval of Engineer-in-charge) of the self-cleaning design with CP brass hinged grating with frame with or without vent arm and including cement concrete 1:2:4 under and around the floor trap where required upto floor level complete in all respects including cutting and making good the walls and floors, etc. minimum depth of water should be 150mm with a minimum seal 50mm (a) With 75mm i/d outlet deep seal. (Pb. CSR Ref. No.30.79 (a) A & C Slip T/R	2 Nos.	
27.	Providing and fixing in position 5mm thick bevelled edge mirror of superior glass (of approved make) complete with 4mm thick hard board backing fixed in with rawl plugs 50mm, C.P. brass screws and washers and s/s studs on top, complete in all respect (as required by the Engineer-in-Charge) (c) size 1500mm x 600mm or any other size (Pb .CSR Ref. No.30.61 (c) A & C Slip T/R	0.74 Sqm.	

28.	Providing and fixing in position CP copper tube connection of approved make (to the approval of Engineer-in-charge) complete in all respect (b) CP Copper tube connection of size 15mm x 375mm with CP Brass nut. (Pb. CSR Ref. No.30.73 (b) A & C Slip T/R	7 Nos.	
29.	Providing & fixing in position stop cock / angle valve of approved make (to the approval of E.I.C.) Complete in all respect (c) CP brass 15 mm Angle valve without flange (Pb. CSR Ref. No.30.66 (c) A & C Slip T/R	5 Nos.	
30.	Providing & fixing in position chinaware wall Hunged European type W.C. With P trap or S trap of approved make ((to the approval of the Engineer-in- charge) with or without 10 ltrs. chinaware matching flushing cistern and seat cover complete in all respect and to the entire satisfaction of Engineer -in -charge (a) Chinaware extended wall Mounted EWC with matching Chinaware cistern and seat cover complete in all respect (Pb. CSR Ref.No.30.5 (a) A & C Slip T/R	1 No.	
31.	Providing, laying, jointing ,fixing & testing ISI marked GI pipe (as per IS 1239) B- class premium make such as (Jindal Hissar) including cost of specials (such as tees, Bends , sockets, elbows etc.) painting with anti-corrosive bitumastic paint, testing, cutting threading inside building complete (Pb CSR .Ref No.28.35 (a) 15 mm i/d T/R A & C Slip	15 Mtrs.	
32.	Providing & fixing in position Vitreous chinaware white lavatory suites of approved make (to the approval of E.I.C.) including brass studs without C.P. fittings complete in all respect (x) size 44 cm dia. (under counter round) (Pb. CSR Ref. No.30.36) (x) A & C Slip T/R	1 No.	
33.	Providing & fixing in position CP brass flange of approved make (to the approval of Engineer-in-charge) under various fixtures complete in all respect .(Pb. CSR Ref. No.30.64 (A) A & C Slip T/R	6 Nos.	
34.	Providing & fixing in position automatic brass ball cock in tanks (B) Brass ball cock with rod and plastic ball (i) 15 mm i/d (Pb. CSR Ref. No.30.96 B) (i) A & C Slip T/R	1 No.	
35.	Providing , laying, fixing and jointing of PVC pipes as per ISI-4985 (ISI marked with the prior approval of E.I.C.) along the trenches and laying the same in trenches to correct alignment and gradients, cutting ,jointing and testing complete as per specifications (iv) 110 mm o/d pipe of 10 Kg./sq. cm. (ii) 75 mm o/d pipe of 10 kgf./ sq.cm (Pb. CSR Ref. No.28.13) A & C Slip T/R	16.19 Mtrs. 7.00 Mtrs..	
36.	Dismantling ,disjointing, removal of G.I. Pipe lines, specials, valves and fittings complete in all respects (a) 15 mm internal diameter pipe line (Pb CSR Ref. No.28.63) (a) L/R A & C Slip	10.00 Mtrs.	
37.	Providing, fixing & jointing GI union couplings (of approved make with the approval of E.I.C.) as per IS 1879 in GI pipe lines complete in all respects. (a) 15 mm i/d GI union (Pb CSR Ref. No.28.40 (a) T/R A & C Slip	1 No.	
38.	Providing and fixing Jet Spray with 2'-6" long PVC Pipe (a) With C.P. Brass nut (Pb. CSR Ref. No. 30.8 (a) T/R A & C Slip	1 No.	
39.	Providing and fixing in position G.I. Tank Nipple of approved make (to the approval of EIC) in PVC Water storage tank complete in all respect (a) G.I. Tank nipple 15 mm i/d (Pb CSR Ref. No. 30.98 (a) T/R A & C Slip	2 Nos.	

40.	Providing, fixing & jointing ISI marked Gun metal Peet valves (Heavy pattern) as per IS 778 with hand wheels, on GI pipe lines laid in the ground or inside buildings including all carriages complete. (a) 15 mm i/d Gun metal peet valve heavy pattern (Pb. CSR Ref.No. 28.43 (a) T/R A & C Slip	2 Nos.	
41.	Providing & fixing in position on terrace (at all floor levels) HDPE water storage tanks of approved make (to the approval of E.I.C.) with cover with suitable locking arrangements & making necessary holes for inlet, outlet and over flow pipes but without fittings and base support tank (CSR Ref. No. 30.97 A (i) T/R A&C Slip (i) Triple layer Tanks :- 500 Ltrs. Capacity (Of Rectangular shape)	1 No.	
42.	Loading & Unloading of malba: Stone (building or pitching) Sand, Earth, Fly Ash, Bajri, Shingle, Spalls, Brick bats, Brick ballast and Stone metal. By manual means (Pb. CSR Ref. No.4.1 (B) L/R	7.50 Cum	
43.	Carriage of malba Distance 15 KMs: Earth, Surkhi, Sand, Earth, Fly Ash, Bajri, Ballast, Stone Boulders, Kankar and Building Rubbish, Earth.(Pb. CSR Ref . No.5.2 (i) L/R	7.50 Cum	
44.	Removing Doors and Windows (Steel or wood) with chowkhats by making recesses in walls when the wall is not to be dismantled. (Pb. CSR Ref.No. 8.26 a & c) (a) Doors of area 3 sqm. and below (c) Clearstory windows of area 3 sqm. and below L/R	2 Nos. 1 No.	
45.	Providing & fixing in position C.P.Brass Hexa Nipple 15 mm of approved make (to the approval of E.I.C.) complete in all respect. (Pb. CSR Ref.No. 30.64 (C) T/R A & C Slip	1 No.	
46.	Providing & fixing aluminium work for Doors, windows, ventilators & partitions with extruded built up standard tubular sections/appropriate z sections and other sections conforming to IS 733 and IS: 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by EIC ,fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC Plug/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered & jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/ paneling, C.P.brass /stainless steel screws, all complete as per architectural drawings & the directions of E.I.C.(Glazing & paneling to be paid for separately) (Pb. CSR Ref.No.17.45 T/R (a) For fixed portion & chaukhats	32 kgs.	
47.	(b) For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and labour for fixing of fittings wherever required including the cost of PVC Plug / neoprene gasket required (Pb. CSR Ref.No.17.45 (b) T/R	28 kgs.	
48.	Providing and fixing 12mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides .(Pb.	9.50 sqm.	

	CSR Ref.No.17.46 (ii) T/R		
49.	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc .with PVC Plug/ neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item) (ii) Float glass panes of 4mm thickness.(Pb. CSR Ref.No.17.47(ii) T/R	4.48 sqm.	
50.	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 As per IS:1868) transparent or dyed to required colour or shade with nuts and screws etc. complete (B) 250mmx16mm (Pb. CSR Ref.No.17.49 (B) T/R	2 Nos.	
51.	Cost of Aluminium fittings complete for Doors, windows such as tower bolts, handles and screw etc. for these fittings (Excluding sliding bolt (ii) For shutter area above 0.50 sqm .(Pb. CSR Ref.No.17.23 (ii) T/R	3.10 sqm.	
52.	Providing and fixing hydraulic door closer ISI mark with necessary screw etc. complete (b) I.S.I Designation No. II (size of door 701 mm to 850 mm) (Pb. CSR Ref.No.17.43 (b) T/R	2 Nos.	
53.	Construction of brick masonry inspection chambers size as given below upto 0.60 m average depth in 1:5 cement sand mortar, lime concrete with 40 per cent lime mortar 2:3 in foundation, cement concrete 1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x 455mm, 455mm x 610mm inside light duty C.I. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design. (b) 450mm x 600mm inside with 455mm x 610mm cover and frame light duty double seal (Pb. CSR Ref. No. 29.89 (b) A & C Slip T/R	1 No.	
54.	Providing and Fixing ceiling consisting of 600mm X 600mm X12.5 mm thick Gypsum Board GI Cradling hanged from the ceiling by means of GI hanger complete as per drawings, specifications and to the entire satisfaction of Engineer-in- charge (Pb. CSR Ref. No. 13.65) T/R	5.57 Sqm.	
55.	Providing and fixing in position Stainless steel sinks of approved make (to the approval of E.I.C.) 1 mm thick, grade- 304 (18/8) with waste coupling complete in all respects. (C) Sink with drain Board overall size 1050 x 450 mm, bowl size 425mm x 350 mm x 188 mm.(Pb. CSR Ref. No. 30.47 (c) T/R	1 No.	
56.	Providing & fixing in position Chinaware Indian Orissa water closet :- size 580 mm of approved make (to the approval of Engineer-in-charge) consisting of 10 ltrs. PVC flushing cistern including cost of PVC long bend 32 mm dia complete in all respect and to the entire satisfaction of the Engineer – in charge (Pb. CSR Ref.30.2) A & C Slip T/R	1 No.	
57.	Renewing glass panes and refixing existing wooden fillets:- (c) Frosted glass panes weighing 8.44 Kg./Sqm. (Pb. CSR Ref. No. 31.7 (c) T/R	4.10 Sqm.	
58.	Providing and fixing in position 32 mm dia G I waste pipe embedded in wall upto floor level including cost of fittings complete as required by the E.I.C .(Pb. CSR Ref No.30.42 A) A & C Slip T/R	1 No.	

59.	<p>RECESSED PVC CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES: Wiring in PVC insulated copper conductor single core FR cable (ISI marked), 1100 volts grade to be laid in heavy gauge, PVC, fire retardant conduit pipe 20mm/25mm dia. ISI Marked, recessed in wall etc., complete with powder coated/anodized concealed metal boxes required for suitable number of modules, for having electronic fan regulators, bell push, electronic buzzer, 3 pin 6 Amp., 3 pin 16/20Amp. Sockets and 6 Amp./16/20Amp. Switches (Screw Type Modular Accessories) etc., and covered with Frame Plate etc., & including the cost of required number of modular switches/sockets, step type electronic fan regulator 100 watts, PVC connector (For Fan Box and Electronic Buzzer), Steel Hooks, Circular Inspection Box (Recessed Type and Deep Type) PVC conduit pipe & copper wire and other petty material etc. including the cost of cutting and filling up of chases:- (Pb. CSR Ref.No.33.02) T/R</p> <p>Wiring fan point without fan box in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100 volts grade with step type electronic fan regulator 100 watts. (Pb CSR Ref. No.33.02) (i) (a) T/R</p>	1 No.	
60.	<p>Wiring light point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100 volts grade. (Pb. CSR Ref.No.33.02 (ii) (b) T/R</p>	6 Nos.	
61.	<p>Wiring 3 pin 6 Amp. wall socket (Shuttered) point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100 volts grade complete with bonding to existing earth with PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1 sq. mm, 1100 volts grade. (Pb. CSR Ref.No.33.02 (iv) (b) T/R</p>	2 Nos.	
62.	<p>Wiring 3 pin 16/20 amp. power plug control (shuttered) and Switch.(Pb. CSR Ref.No.33.02 (vi) (b) T/R</p>	2 Nos.	

(ई.नरेन्द्र शर्मा)
अति अधीक्षण अभियंता
ओ एंड एम मण्डल, बीबीएमबी
धूलकोट, अम्बाला शहर