

ਬਠਿੰਡਾ

ਡਿਵੈਲਪਮੈਂਟ

ਅਥਾਰਟੀ

- ਬਠਿੰਡਾ ।

ਟੈਂਡਰ ਨੋਟਿਸ

ਮੋਹਰਬੰਦ ਨਿਰਧਾਰਤ ਟੈਂਡਰ ਫਾਰਮ ਤੇ ਹੇਠ ਲਿਖੇ ਕੰਮਾਂ ਲਈ ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਦਰ ਤੋਂ ਘੱਟ/ਵੱਧ/ਬਰਾਬਰ ਪ੍ਰਤੀਸ਼ਤ ਅਧਾਰ ਤੇ ਪੁੱਛਾ/ਬੀਡੀਏ/ਪੀ.ਡਬਲਯੂ.ਡੀ.(ਬੀ.ਐੱਡ ਆਰ)/ਸੀ.ਪੀ.ਡਬਲਯੂ. ਨਾਲ ਰਜਿਸਟਰਡ/ਪ੍ਰਵਾਨਿਤ ਠੇਕੇਦਾਰ ਜੋ ਕਿ ਉਚਿਤ ਸ਼੍ਰੇਣੀ ਨਾਲ ਸਬੰਧਤ ਹੋਣ ਤੋਂ ਤੀਹਰੀ ਲਿਫਾਫਾ ਪ੍ਰਣਾਲੀ ਅਧੀਨ ਪ੍ਰਵਾਨਿਤ ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਤੇ ਅਧਾਰਤ ਟੈਂਡਰਾਂ ਦੀ ਮੰਗ ਕੀਤੀ ਜਾਂਦੀ ਹੈ। ਇਹ ਟੈਂਡਰ ਫਾਰਮ/ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-1/ ਸਿਵਲ-2), ਬੀਡੀਏ-ਬਠਿੰਡਾ ਦੇ ਦਫਤਰ ਤੋਂ 1000/- ਰੁਪਏ (ਕੇਵਲ ਇੱਕ ਹਜ਼ਾਰ ਰੁਪਏ) ਪ੍ਰਤੀ ਟੈਂਡਰ (ਨਾਂ-ਮੋੜਨਯੋਗ) ਦੇ ਹਿਸਾਬ ਨਾਲ ਪ੍ਰਾਪਤ ਕੀਤੇ ਜਾ ਸਕਦੇ ਹਨ । ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਸਮੇਤ ਟੈਂਡਰ ਫਾਰਮ ਬੀਡੀਏ ਦੀ ਵੈਬਸਾਈਟ www.bdabathinda.com ਤੇ ਵੀ ਉਪਲਬਧ ਹਨ । ਜੇ ਡਾਊਨਲੋਡ ਕੀਤੇ ਜਾਂਦੇ ਹਨ ਤਾਂ ਟੈਂਡਰ/ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਦੀ ਲਾਗਤ ਰਕਮ 1000/- (ਕੇਵਲ ਇੱਕ ਹਜ਼ਾਰ ਰੁਪਏ) ਪ੍ਰਤੀ ਟੈਂਡਰ (ਨਾਂ-ਮੋੜਨਯੋਗ) ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-1/ਸਿਵਲ-2), ਬੀਡੀਏ-ਬਠਿੰਡਾ ਦੇ ਪੱਖ ਵਿੱਚ ਜਾਰੀ ਡਿਮਾਂਡ ਡਰਾਫਟ ਦੇ ਰੂਪ ਵਿੱਚ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ । ਟੈਂਡਰ ਦਸਤਾਵੇਜ਼ ਹੇਠ ਲਿਖੀਆਂ ਮਿਤੀਆਂ ਅਤੇ ਸਮੇਂ ਅਨੁਸਾਰ ਸਬੰਧਤ ਮੰਡਲਾਂ ਵੱਲੋਂ ਵੇਚੇ/ਪ੍ਰਾਪਤ ਕੀਤੇ ਅਤੇ ਹਾਜ਼ਰ ਟੈਂਡਰਕਾਰਾਂ ਜਾਂ ਉਹਨਾਂ ਦੇ ਅਧਿਕਾਰਤ ਪ੍ਰਤੀਨਿਧੀਆਂ ਜੋ ਹਾਜ਼ਰ ਹੋਣਾ ਚਾਹੁਣਗੇ, ਦੀ ਹਾਜ਼ਰੀ ਵਿੱਚ ਉਸੇ ਸਮੇਂ ਖੋਲ੍ਹੇ ਜਾਣਗੇ ।

ਲੜੀ ਨੰਬਰ	ਕੰਮ ਦਾ ਨਾਂ	ਅੰਦਾਜ਼ਨ ਰਾਸ਼ੀ (ਕਰੋੜਾਂ ਵਿੱਚ)	ਬਿਆਨਾਂ ਰਕਮ (ਲੱਖਾਂ ਵਿੱਚ)	ਸਮਾਂ ਸੀਮਾਂ
1	ਬੁਢਲਾਡਾ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	4.21	4.21	9 ਮਹੀਨੇ
2	ਭੀਖੀ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	3.81	3.81	9 ਮਹੀਨੇ
3	ਸਰਹਿੰਦ ਨਹਿਰ ਦੇ ਨਾਲ-ਨਾਲ ਅਰਬਨ ਅਸਟੇਟ ਫੇਜ਼-4 ਅਤੇ ਫੇਜ਼-5 ਤੱਕ 100 ਫੁੱਟ ਚੌੜੀ ਸੜਕ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ । (ਸਿਵਲ ਕੰਮ)	4.16	4.16	6 ਮਹੀਨੇ
4	ਸਰਦੂਲਗੜ੍ਹ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	4.32	4.32	9 ਮਹੀਨੇ
5	ਤਲਵੰਡੀ ਸਾਬੋ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	17.00	17.00	9 ਮਹੀਨੇ
6	ਗੋਨਿਆਣਾ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	13.40	13.40	9 ਮਹੀਨੇ
7	ਰਾਮਾਂ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	19.56	19.56	9 ਮਹੀਨੇ
8	ਮੋੜ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	10.33	10.33	9 ਮਹੀਨੇ
9	ਰਾਮਪੁਰਾ ਫੂਲ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	20.00	20.00	9 ਮਹੀਨੇ
10	ਭੁੱਚੇ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	6.37	6.37	9 ਮਹੀਨੇ
11	ਬਠਿੰਡਾ ਵਿਖੇ ਪੁਰਾਣੇ ਸਟੇਡੀਅਮ ਦੀ ਰੈਨੋਵੇਸ਼ਨ ਕਰਨਾਂ ਅਤੇ ਨਵੀਂ ਦਿੱਖ ਦੇਣਾ ।	7.52	7.52	9 ਮਹੀਨੇ
12	ਅਰਬਨ ਅਸਟੇਟ ਫੇਜ਼-4 ਅਤੇ ਫੇਜ਼-5 ਦੀਆਂ ਅੰਦਰੂਨੀ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ। (ਸਿਵਲ ਕੰਮ)	12.50	12.50	9 ਮਹੀਨੇ
13	ਮਾਨਸਾ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	25.73	25.73	9 ਮਹੀਨੇ
14	ਬਰੇਟਾ ਮੰਡੀ ਵਿੱਚ ਪੈਦੀਆਂ ਸੜਕਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨਾਂ ।	8.36	8.36	9 ਮਹੀਨੇ

ਨੋਟ :- ਲੜੀ ਨੰਬਰ ਟੈਂਡਰ ਦਸਤਾਵੇਜ਼ ਜਾਰੀ/ ਵੇਚੇ ਜਾਣ ਦੀ ਮਿਤੀ ਤੇ ਸਮਾਂ ਟੈਂਡਰ ਦਸਤਾਵੇਜ਼ ਪ੍ਰਾਪਤ ਕਰਨ/ ਖੋਲ੍ਹਣ ਦੀ ਮਿਤੀ ਤੇ ਸਮਾਂ

5 ਤੋਂ 14 ਤੱਕ ਮਿਤੀ 01-12-2010 1:00 ਵਜੇ (ਬਾਅਦ ਦੁਪਹਿਰ) 3:00 ਵਜੇ (ਬਾਅਦ ਦੁਪਹਿਰ)

1 ਤੋਂ 4 ਤੱਕ ਮਿਤੀ 02-12-2010 1:00 ਵਜੇ (ਬਾਅਦ ਦੁਪਹਿਰ) 3:00 ਵਜੇ (ਬਾਅਦ ਦੁਪਹਿਰ)

ਸ਼ਰਤਾਂ :-

- ਲੜੀ ਨੰਬਰ 3,5 ਤੋਂ 12 ਤੱਕ ਦੇ ਕੰਮਾਂ ਲਈ ਬਿਆਨਾਂ ਰਕਮ ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-1) ਬੀਡੀਏ-ਬਠਿੰਡਾ, ਲੜੀ ਨੰਬਰ 1,2,4,13,14 ਦੇ ਕੰਮਾਂ ਲਈ ਬਿਆਨਾਂ ਰਕਮ ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-2), ਬੀਡੀਏ-ਬਠਿੰਡਾ ਦੇ ਪੱਖ ਵਿੱਚ ਬਠਿੰਡਾ ਵਿਖੇ ਅਦਾਇਗੀ ਯੋਗ ਕਿਸੇ ਸੂਚੀ ਖੱਪ ਬੈਂਕ ਤੇ ਅਦਾ ਕਰਕੇ ਡਿਮਾਂਡ ਡਰਾਫਟ ਦੀ ਸ਼ਕਲ ਵਿੱਚ ਸਵੀਕਾਰ ਕੀਤੀ ਜਾਵੇਗੀ ।
- ਟੈਂਡਰ ਤਿੰਨ ਵੱਖਰੇ-ਵੱਖਰੇ ਮੋਹਰ ਬੰਦ ਲਿਫਾਫਿਆਂ ਵਿੱਚ (ਪਹਿਲਾ ਲਿਫਾਫਾ ਬਿਆਨਾਂ ਰਕਮ, ਇਨਲਿਸਟਮੈਂਟ, ਡਾਊਨ ਲੋਡ ਕੀਤੇ ਟੈਂਡਰ ਦੀ ਕੀਮਤ,ਦੂਜਾ ਲਿਫਾਫਾ ਤਕਨੀਕੀ ਬਿਭ ਅਤੇ ਤੀਜਾ ਲਿਫਾਫਾ ਫਿਨਾਂਸੀਅਲ ਬਿਭ)ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਦੀ ਲੋੜ ਅਨੁਸਾਰ ਜਮ੍ਹਾਂ ਕਰਵਾਏ ਜਾਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ।
- ਸ਼ਰਤਾਂ ਅਧਾਰਿਤ/ਟੈਲੀਫੋਨਿਕ/ਅਧੁਰੇ ਟੈਂਡਰ ਅਤੇ ਨਿਰਧਾਰਤ ਟੈਂਡਰ ਫਾਰਮ ਤੋਂ ਬਿਨਾਂ ਦਿੱਤੇ ਗਏ ਟੈਂਡਰ ਸਵੀਕਾਰ ਨਹੀਂ ਕੀਤੇ ਜਾਣਗੇ।
- ਨਿਮਨਹਸਤਾਖਰ ਨੂੰ ਇਹ ਅਧਿਕਾਰ ਹਨ ਕਿ ਉਹ ਬਿਨਾਂ ਕਾਰਣ ਦੱਸੇ ਕੋਈ ਟੈਂਡਰ ਜਾਂ ਸਾਰੇ ਟੈਂਡਰ ਰੱਦ ਕਰ ਸਕਦੇ ਹਨ।
- ਪ੍ਰਵਾਨਿਤ ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਅਤੇ ਉਸ ਨਾਲ ਸਬੰਧਤ ਦਸਤਾਵੇਜ਼ ਕਿਸੇ ਵੀ ਕੰਮ ਵਾਲੇ ਦਿਨ ਦਫਤਰੀ ਸਮੇਂ ਦੌਰਾਨ ਸਬੰਧਤ ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-1/ਸਿਵਲ-2), ਬੀਡੀਏ-ਬਠਿੰਡਾ ਦੇ ਦਫਤਰ ਵਿਖੇ ਦੇਖੇ ਜਾ ਸਕਦੇ ਹਨ ।
- ਟੈਂਡਰ ਦਸਤਾਵੇਜ਼ ਸਿਰਫ ਉਹਨਾਂ ਹੀ ਠੇਕੇਦਾਰਾਂ/ਅਜੀਮੀਆਂ ਨੂੰ ਜਾਰੀ ਕੀਤੇ ਜਾਣਗੇ ਜੋ ਵੈਲਿਡ ਇਨਲਿਸਟਮੈਂਟ, ਪੇਨ ਨੰਬਰ, ਵੈਟ ਨੰਬਰ ਅਤੇ ਬਿਆਨਾਂ ਰਕਮ ਵਜੋਂ ਬੈਂਕ ਡਰਾਫਟ ਦੀ ਕਾਪੀ ਸਬੂਤ ਵਜੋਂ ਪੇਸ਼ ਕਰਨਗੀਆਂ । ਸਫਲ ਠੇਕੇਦਾਰ/ਅਜੀਮੀ ਨੂੰ ਲੇਬਰ ਐਕਟ 1970 ਅਧੀਨ ਆਪਣੇ ਆਪ ਨੂੰ ਰਜਿਸਟਰਡ ਕਰਵਾਉਣਾ ਹੋਵੇਗਾ ।
- ਸਰਵਿਸ ਟੈਕਸ ਜੋ ਲਾਗੂ ਹੋਵੇ, ਸਬੰਧਤ ਵਿਭਾਗ ਪਾਸੋਂ ਅਸਲ ਰਸੀਦ/ਚਲਾਨ ਪੇਸ਼ ਕਰਨ ਤੇ ਰਿਇਮਬਰਸ ਕੀਤਾ ਜਾਵੇਗਾ ।
- ਫਿਨਾਂਸੀਅਲ ਬਿਭ ਉਸੇ ਫਰਮ/ਠੇਕੇਦਾਰ ਦੀ ਖੋਲ੍ਹੀ ਜਾਵੇਗੀ ਜਿਸਨੇ ਕਿ ਸਬੰਧਤ ਕੰਮ ਵਰਗਾ 80ਪ੍ਰਤੀਸ਼ਤ ਦਾ ਇੱਕ ਕੰਮ, 60ਪ੍ਰਤੀਸ਼ਤ ਦੇ ਦੋ ਕੰਮ ਅਤੇ 50ਪ੍ਰਤੀਸ਼ਤ ਦੇ ਤਿੰਨ ਕੰਮ ਪਿਛਲੇ ਤਿੰਨ ਸਾਲਾਂ ਵਿੱਚ ਮੁਕੰਮਲ ਕੀਤੇ ਹੋਣ ਅਤੇ ਫਰਮ/ਠੇਕੇਦਾਰ ਪਾਸ ਬੀ.ਐੱਡ ਆਰ./ਐਮ.ਓ.ਐਸ.ਟੀ./ਡੀ.ਐਨ.ਆਈ.ਟੀ. ਦੇ ਨਾਰਮਜ਼ ਅਨੁਸਾਰ ਘੇਰੇ ਅੰਦਰ ਹੋਟ ਮਿਕਸ ਪਲਾਂਟ ਅਤੇ ਵੈਟ ਮਿਕਸ ਪਲਾਂਟ ਹੋਣਾ ਚਾਹੀਦਾ ਹੈ ਅਤੇ ਉਸ ਫਰਮ/ਠੇਕੇਦਾਰ ਦੀ ਸਲਾਨਾਂ ਟਰਨ ਓਵਰ ਪਿਛਲੇ ਤਿੰਨ ਸਾਲਾਂ ਵਿੱਚੋਂ ਕਿਸੇ ਵੀ ਸਾਲ ਵਿੱਚ 10.00 ਕਰੋੜ ਤੋਂ ਉਪਰ ਵਾਲੇ ਕੰਮਾਂ ਲਈ 20.00 ਕਰੋੜ ਅਤੇ 5.00 ਕਰੋੜ ਤੋਂ 10.00 ਕਰੋੜ ਦੇ ਕੰਮਾਂ ਲਈ 10.00 ਕਰੋੜ ਅਤੇ 3.00 ਕਰੋੜ ਤੋਂ 5.00 ਕਰੋੜ ਦੇ ਕੰਮਾਂ ਲਈ 5.00 ਕਰੋੜ ਹੋਣੀ ਚਾਹੀਦੀ ਹੈ ਅਤੇ ਵਰਕਿੰਗ ਕੈਪੀਟਲ ਕੰਮ ਦੀ ਲਾਗਤ ਦਾ 20ਪ੍ਰਤੀਸ਼ਤ ਹੋਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ ਅਤੇ ਬੈਂਕ ਤੋਂ ਰਾਸ਼ੀ ਤਸਦੀਕ ਕੀਤੀ ਹੋਵੇ ।

ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-1),
ਬੀਡੀਏ-ਬਠਿੰਡਾ ।

ਪਿੱਠ ਅੰਕਣ ਨੰਬਰ ਬੀਡੀਏ-ਮੰ.ਇੰ.(ਸਿਵਲ-1)/ਬਠਿੰਡਾ/2010/.....ਮਿਤੀ.....
ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਹੇਠ ਲਿਖਿਆਂ ਨੂੰ ਸੂਚਨਾਂ ਅਤੇ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ :-

- ਮੁੱਖ ਪ੍ਰਸ਼ਾਸਕ, ਬੀਡੀਏ-ਬਠਿੰਡਾ ।
- ਵਧੀਕ ਮੁੱਖ ਪ੍ਰਸ਼ਾਸਕ, ਬੀਡੀਏ-ਬਠਿੰਡਾ ।
- ਮੁੱਖ ਇੰਜੀਨੀਅਰ, ਬੀਡੀਏ-ਬਠਿੰਡਾ ।
- ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ, ਬੀਡੀਏ- ਬਠਿੰਡਾ ।
- ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-2), ਬੀਡੀਏ-ਬਠਿੰਡਾ ।
- ਲੇਖਾ ਅਫਸਰ, ਬੀਡੀਏ-ਬਠਿੰਡਾ ।
- ਸਮੂਹ ਠੇਕੇਦਾਰ (ਲਿਸਟ ਮੁਤਾਬਿਕ) ।
- ਨੋਟਿਸ ਬੋਰਡ ।

ਮੰਡਲ ਇੰਜੀਨੀਅਰ(ਸਿਵਲ-1),
ਬੀਡੀਏ-ਬਠਿੰਡਾ ।

Stereo B. & R. 29

PRICE : Rs. 1000/- (For works costing more than 5 lacs)
: Rs. 200/- (For works costing less than 5 lacs)

Name of the Contactor _____

Name of the Work _____

BATHINDA DEVELOPMENT AUTHORITY

_____ Division
Supdt. _____

Sub Division
(Form F-2)
%/CSR/ITEM RATE TENDER
AND
CONTRACT FOR WORKS

Divi. Acct. _____

This agreement made this _____ day of _____ between _____ (hereinafter called the "Contractor") of the one part, and Chief Administrator of PUDA/BDA through the Divisional Engineer _____ (hereinafter called The Authority) of the other part:

Where as the contractor has offered to execute the const. of _____ and the Authority has accepted his tendered offer for the execution of afore mentioned works.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS : -

1. In this agreement, words and expressions shall have the same meanings as are respectively assigned to them as per the general conditions hereinafter referred to :
2. The following documents shall be deemed to form and be constructed as part of this agreement.
 - i) The "Notice Inviting Tender" & "Instruction to tenders" as at Annexure 'A' of this Agreement.
 - ii) "Item Rate tender for works" at Annexure 'B' of this Agreement.
 - iii) "Conditions of Contract" as at Annexure 'C' of this Agreement.
3. The work will be executed strictly according to P.W.D. specifications and drawings relating to the work as indicated in the "Notice Inviting Tender". The schedule of items of work to be carried out will be as per approved "Notice Inviting Tender". The material to be issued from Department stores for use on work will be as shown in the approved "Notice Inviting Tender".
4. All correspondence and modifications of tender offer and acceptance letter will form part of this Agreement.
5. In considerations of the payments to be made by the Authority to the contractor in respect of completed work, or item of work, the contractor hereby covenants with the Authority to execute the work in conformity in all respects with the provisions of this Agreement.
6. The authority hereby covenants to pay the contractor, in consideration of execution of works, the price in the manner as specified in this Agreement.

In witness thereof the parties hereto set their respective hands and seals on the day and year first above written.

In presence of
NAME & ADDRESS

1. _____
2. _____

Signature of Contractor (With Stamp)
Address _____

Signed sealed & delivered by _____ in the capacity of _____ in presence of _____

NAME & ADDRESS

1. _____
2. _____

Divisional Engineer

**For & on behalf of Pb. Urban
Planning & Development Authority**

ANNEXURE 'A'
BATHINDA DEVELOPMENT AUTHORITY

Notice Inviting Tender And Instructions To Tenderes

1. Sealed tenders in the prescribed form No..... are hereby invited on behalf of the PUDA/BDA for the Renovation of Stadium at Bathinda at an estimated cost of Rs. 7.52 Crore.
2. The tender forms alongwith, "Conditions of Contract" to be fulfilled can be obtained from the office of Divisional Engineer(Civil-1), BDA-Bathinda upto 1.00 P.M. on any working day payment of Rs. 1000/- (Non refundable) after furnishing in support to deposit of earnest money.
3. Tender documents duly completed in all respects, signed on each page and placed in sealed cover under double envelop system with the name of work written there upon, will be received in the office of the undersigned upto 3:00 P.M. hrs. on 01-12-2010 and will be opened soon after in the presence of tenderers of their representatives, who may like to be present.
4. The time allowed for/completion of the work will Nine Months after the date of issue of acceptance letter to the contractor.
5. The tenders should be %/CSR/ITEM RATES. For items not included in the DNIT but which may have to be executed to ensure completion as per drawing and specifications, the quoted percentage shall also apply to the relevant rates given in the "Common Schedule of Rates" for these items. Only one rate of percentage rate above or below the rates exhibited in the "Schedule of items of work" and the printed "Common Schedule of Rates" shall be quoted.
6. Earnest money amounting to Rs. 7.52 lac must be furnished in the form of Pay Order/Demand Draft of a Scheduled Bank in the name of the undersigned (by Designation) and enclosed with the tender. Any bid not accompanied with requisite earnest money in acceptable form shall be rejected. Bid shall not be opened without the receipt of Earnest money.
7. The Contractor, whose tender is accepted shall be required to furnish security at the rate of five percentage of the cost of work, by deductions from the running bills; (three percent of the total cost to cover liability of defects and shortcomings and 2 percent of the total cost for the winding up the contract satisfactory). The earnest money if released from the Bank, will be treated as part of the security deposit.
8. The offer shall remain open for acceptance for a period of ninety days from the date of opening of the Tender. The earnest money shall be forfeited if the Tenderer withdraws or modifies his offer within the validity period or fails to sign the (Formal contract) agreement after acceptance of his offer or fails to commence the work within ten days of issue of acceptance letter. After the forfeiture of earnest money, the contract shall be immediately nullified.
9. On acceptance of the tender, the contractor shall either himself remain available at site of work or arrange the availability of an accredited representative, fully authorized in writing, at the site of work to receive the instructions of the Engineer-in-Charge or his representative and to ensure prompt compliance thereof.
10. The undersigned does not bind himself to accept the lowest rate or any tender and reserves to himself, the right of accepting the whole or part of the tender and tenderer shall be bond to perform the same at the quoted rates.
11. Sales Tax or any other tax on the material or the turnover shall be payable by the contractor and the authority will not entertain any claim in this respect.
12. Before filling this tender, the Contractor shall visit the site and satisfy himself as to the conditions prevalent there especially regarding accessibility to the site, nature and extent of the ground, working conditions, stacking of materials, Installations of Tools & Plants etc., accommodation and movement of labour, supply of water and power for satisfactory completion of the works contract. No claim, whatsoever on such accounts shall be entertained by the department in any circumstances.
13. The contractor shall comply with the provisions of Apprentices Act, 1961, Minimum Wages Act, 1948, workmen's compensation Act, 1923, Contract Labour (Regulation and abolition)Act, 1970, Payment of Wages act, 1936 Employees Liability Act, 1938, Maternity Benefits Act, 1961, and the Industrial Dispute Act, 1947 as applicable and the rules and regulations issued thereunder from time to time. Failures to do so shall amount to breach of the contract and the Engineer-in-Charge may at his discretion to terminate the Contract. The contractor shall also be liable for any pecuniary liability arising on account of violation by him of provisions of the Act.
14. The tenderer shall bear all costs associated with the preparation and submission of his tender and the department shall in no case be liable for these costs.
15. Each tenderer shall submit only one tender, against one work either by himself or as partner in a joint venture. A tenderer who submits or participates in more than one tender, will be disqualified.
16. Unless otherwise stated, the contract shall be for the whole work as described in the "Unit and the drawings". The contractor shall be bound to complete the whole work as described in the Unit or wok and the drawings, Including the additional items, if any, as per drawings and instructions. The certificate of completion as issued by the Engineer-in-Charge shall be the conclusive proof of completion of work.
17. The tender shall be typed or written in indelible ink and shall be signed by the tenderer or a person or persons duly authorized to sign on behalf of the tenderer. All pages of the tender document containing the entries and all corrections or amendments made therein shall be initialed by the person or persons signing the tender. The following documents shall accompany the tender :-
 - i) Deposit at call, Demand Draft for Earnest Money.
 - ii) Income Tax clearance certificate.
 - iii) Partnership deed or Registration certificate of the firm/company as the case may be.
 - iv) Copy of registration of contractor of appropriate class.

Contractor

Witness

Divisional Engineer

- v) Power of Attorney as required under rule for joint venture.
 - vi) List of works executed and/or in progress with agreement cost.
 - vii) List of machinery and list of staff (Technical & Non-Technical).
18. Incomplete tender or tenders not fulfilling any of the conditions specified above, are liable to be rejected without assigning any reason.

%/CSR/ITEM RATE TENDER FOR WORKS (ANNEXURE 'B')

I/We hereby offer to execute for the PUDA/BDA, the work, specified in the under written memorandum within the time specified in such memorandum at CSR/ITEM RATE referred to in para 5 of "Notice Inviting Tender" and annexed hereto and accordance, in all respects, with the specifications, design, drawings and instructions in writing referred to in para 5 in clause 13 of "Conditions of Contract" with such material as are provided for and in all other respects in accordance with such conditions so far as applicable.

Memorandum

- a) General Description _____
- b) Tendered/DNIT Cost Rs. 7.52 Crore
- c) Earnest Money Rs. 7.52 lac
- d) Security Deposit Rs. 5 % of the amount of work.
- e) Percentage, if any, to be deducted from 5 percent bills
- f) Time allowed for completion from the date of issue of acceptance letter to the contractor 9 months.

Should this offer be accepted in whole or in part, I/We hereby agree to abide by and fulfil all the terms and provisions of the said contract annexed hereto and all the terms and conditions contained in the detailed "Notice Inviting Tender" and/or in default there to forfeit and to pay to PUDA/BDA or his successors in office, the sum of money mentioned in the said conditions.

A sum of Rs..... is hereby forwarded in the shape of Deposit at call/Demand Draft Money. I/We agree that the full value of Earnest Money will be forfeited without prejudice to any other right or remedies to the PUDA or his successors in office, should I/We with (i) withdraw or modify my/our offer during the period of validity or (ii) fail to sign the contract agreement after acceptance of the offer or (iii) fail to commence the work within 10 days of the issue of acceptance of my/our offer, otherwise the said Earnest Money shall be retained by him towards security, deposit against clause (d) of the above memorandum.

Dated _____ day of _____ 20_____
 Witness _____
 Address _____

 Telephone _____
 Occupation _____

Signature of the contractor (with stamp)
 Address _____

The above offer is hereby accepted by me on behalf of the BDA, Bathinda.
 Dated _____ day of _____ 20_____

CONDITIONS OF CONTRACT (ANNEXURE 'C')

DEFINITIONS

1. The "Contract" means the documents forming the tendered offer and acceptance thereof constructing a binding contract between the PUDA/BDA and the Contractor. The Tender documents including the Conditions are drawings, design, specifications supplemented with instructions issued from time to time by the Engineer-in-Charge and shall be binding on parties in the stated order of precedence. All these documents taken together with the tendered offer and its acceptance shall be deemed to form the contract and shall be complementary to one another.
 2. The "Common Schedule of Rates" shall mean a printed document containing rates of different items of works pertaining to different branches of P.W.D. i.e. irrigation, B & R (Bids. & Roads Branch) and Public Health Branch and approved by the committee of direction of Chief Engineer of these P.W.D. Branches and the Punjab Government.
 3. "Completed Works" shall mean, the work completed in all respects as per laid down specifications, drawings, approved N.I.T. and to the entire satisfaction of Engineer-in-Charge.
 4. The "Contractor" shall mean the individual or firm or company whether incorporated or not undertaking the work and shall include the legal personal representative or the persons comprising such firm or company or successors of such firm or company as well as the assignees of such individual or firm or company whose tendered offer has been accepted.
 5. The "Completion date" is the date when the Engineer-in-Charge certifies that the work can be put to use, after receipt of an intimation from the contractor regarding its completion.
 6. "Communication" between parties are the written and signed letters, notices, reminders, memoranda and instructions recorded in the instructions book or books kept at site.
 7. "Days and Months" are calendar days and calendar months.
 8. The "Engineer-in-Charge" means the Divisional Engineer, who shall supervise the work and administer the contract with the assistance of his authorized subordinates, who shall be incharge of the work and who shall sign the contract on behalf of the PUDA/BDA.
 9. The "Authority" shall mean the PUDA/BDA.
 10. The "Site" shall mean the land and/or other places on, into or through work is to be executed under the contract or any adjacent land, path or street which may be allowed to be used for the purpose of carrying out the contract.
 11. "Schedule of Material" shall mean the list of materials which are to be issued from the Deptt. Store to the contract for genuine use on the work as per annexure 'E'.
 12. The "Start Date" is the date when contract came into existence upon the issue of "Letter of Acceptance" by the Engineer-in-Charge.
 13. "Schedule of items of work" shall mean the items of work to be executed at site of work pertaining to work allotted to the contractor.
 14. The "Works or wok" shall unless the context otherwise requires man what the contractor is required to execute and handover to the Authority.
- Note: In interpreting these "Conditions of Contract" singular also means plural, male also means female and vice versa.

Clauses of Contract

Clause-1 PERFORMANCE GUARANTEE AND SECURITY

The contractor, whose tender is to be accepted, shall furnish :-

- i) A Bank Guarantee of Scheduled Bank in the prescribed format (specimen form attached) in favour of the Divisional Engineer-in-Charge for an amount of 5 percent of the amount of the contract valid upto six months beyond the date of completion (time limit) to cover the amount of liquidated damages and/or the compensation of the breach of contract. No payment for work done of any kind shall be released till such Guarantee is furnished.
- ii) A cash security at five percent of the amount of the contract inclusive of the earnest money initially deposited with the bid cover which can be adjusted towards the cost that may be involved in removal of defects, imperfections, or taking remedial measures in the work, which has been executed to be progressively deducted @ 5% in all payments after affording credit for the initial earnest money. Sixty percent of the security will be refunded after three months of the completion of work as certified by the Engineer-in-Charge, with respect to satisfactory removal of all defects, imperfections, short timings, and taking remedial measures, that may be necessary and after recording of final measurements of work done, for which the certificate of the Engineer-in-Charge would be conclusive.

The remaining amount of security shall be released after the expiry of four months or one rainy season whichever is later from the date of completion of work and after removal of all defects, short-comings and imperfections that may be noticed during this period and after satisfactory winding up of the contract as provided in clause 6A to the entire satisfaction of Engineer-in-Charge.

Clause-2 COMPENSATION FOR DELAY

The time allowed for carrying out the work shall be essence of the contract and shall be strictly reckoned from the date on which the order to commence the work is given to the contractor who shall ensure all due diligence to achieve progress of work not less than indicated below :-

- | | | | |
|-------|-----------------------------------|---|------|
| (i) | On lapse of 25% contractual time | : | 20% |
| (ii) | On lapse of 50% contractual time | : | 50% |
| (iii) | On lapse of 75% contractual time | : | 80% |
| (iv) | On lapse of full contractual time | : | 100% |

Contractor

Witness

Divisional Engineer

In case of default, the contractor shall notwithstanding issuance of a prior notice. In this regard, pay prospectively as liquidated damages an amount upto 1% of the amount of contract or such lesser amount that the Engineer-in-Charge may levy, for every week that the work remains uncommenced after 10 days of the issue of acceptance letter or the minimum progress of work stated above is not achieved or the work remains unfinished after the completion date. In case of continued default or short fall in progress, the Engineer-in-Charge may go on enhancing the levy of liquidated damages prospectively each time limited to 1% of the total estimated amount of work per week of further default subject to maximum limit of five percent of the amount of the contract. The Superintending Engineer-in-Charge of the work on representation from contractor after hearing both the parties i.e. Engineer-in-Charge and contractor may reduce the amount of liquidated damages and his decision in writing shall be final.

Clause-3 BREACH OF CONTRACT – LEVY OF DAMAGES

The Engineer-in-Charge may without prejudice to other right and remedies, under the provisions of the contract or otherwise after issuing a notice, in writing and getting the final bill prepared absolutely determine the contract after levying compensation for damages to the extent of five percent of the amount of the contract, if the contractor, commits breach of contract under any clause of the contract or in any of the following cases :-

- i) If the contractor suspends the execution of the work and inspite of having been given a notice in writing by the Divisional Engineer, fails to resume the work within ten days of the issue of the said notice.
- ii) If the contractor, having been given a notice in writing by the Divisional Engineer-in-Charge fails to rectify, reconstruct or replace any defective work or continues the execution of work in an inefficient, improper, unworkman-like manner or not in accordance with sound Engineering practices or without complying with the directions and requirements within a period of 10 days of the issue of said notice.
- iii) If the contractor being a company shall pass a resolution or a court shall make an order of the effect that the company shall be wound up or if a receiver or a manager on behalf of the creditor shall be appointed or if circumstances shall arise which entitle the court or creditor to appoint a receiver or manager or to make a winding up order.
- iv) If the contractor, commits any of the acts or defaults mentioned in clause 21 and thereof.

Provided further, that in case action under clause 2 & 3 as aforesaid levy of liquidated damages is also taken, total amount of liquidated damages and compensation for breach of contract under both the clauses shall be limited to 7.5 percent of the amount of the contract or the amount available with the Deptt. including Bank guarantee which ever is less. The requisite amount for which the contractor may become liable shall be realized by encashing the Bank Guarantee furnished by the contractor, as specified in clause 1 above and/or from other amounts due to the contractor/in respect of this work or any work, undertaken for the Government/PUDA/BDA.

After the termination of the contractor under this clause, the department shall be at liberty to (i) get the balance work executed through some other contractual agency or through departmental means or to (ii) abandon the balance work altogether or to (iii) modify the design and scope of the work in any manner. The contractor shall have no claim against the department for treating the work in any manner deemed fit.

Clause-4 LIABILITY OF CONTRACTOR/AND POWERS TO TAKE OVER AND DISPOSE OFF CONTRACTOR PLANT.

In any case, in which any of the powers conferred upon the Engineer-in-Charge by clause 3 there off shall have become exercisable and the same having not been exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding, be exercisable in the event of any future case or default on the part of the contractor, for which by any clause or clauses, hereof, he is declared liable to pay compensation and the liability of the contractor for past and future compensation shall remain unaffected.

In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause, he may, if he so desired, after giving a notice in writing to the contractor take possession of any or all tools, plant, materials and stores in or upon the works or the site thereof belonging to the contractor or produced by him and intended to be used for execution of the work on any part hereof, paying or allowing for the same in account at the contract rates or in case of those not being applicable at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be final. Otherwise the Engineer-in-Charge may, by giving a notice in writing to the contractor or his agent at the site or work, require him to remove such tools, plants, materials or stores from the premises within the time specified in notice. In the event of the contractor expense or sell them by auction or private sale on account of the contractor and at his risk in all respects. The certificate of the Engineer-in-Charge as to the expense of any such removal and the amount of proceeds and expense of any such sale shall be final & conclusive against the contractor.

Clause-5 EXTENSION OF TIME

If the contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidably hindered in its execution or any other ground, he shall apply in writing to the Engineer-in-Charge (with corresponding time extension in Performance Bank Guarantee) within thirty days of the date of hindrance (but before the expiry of time limit) on account of which he desires such extension as aforesaid and the Superintending Engineer may grant extension of time, as may in his opinion be necessary or proper, No application for extension of time received late or addressed to the Sub-Divisional Engineer or any officer other than the Engineer-in-Charge shall be considered valid-if the contractor fails to apply for extension as aforesaid and the work is not completed within the time limit, the contract shall be determined absolutely after action under clause 2 and 3 above.

Clause-6 COMPLETION CERTIFICATE

Within ten days of the completion of work, the contractor shall give notice of such completion to the Engineer-in-Charge & within 30 days of the receipt of such notice, the Engineer-in-Charge shall inspect the work and if there is no defect, in the work, shall furnish the contractor with a certificate of completion, otherwise a provisional certificate of completion indicating the defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced

Contractor

Witness

Divisional Engineer

rates. However no certificate provisional or otherwise shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed, all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements set up for his labour on the site and cleaned off the surplus materials, rubbish and all huts and sanitary arrangements set up for his labour on the site and cleaned off the dirt from all woodwork, doors and windows, walls, floor or other parts of the building, in upon or about which the work is to be executed or of which he may have had possession for the purpose of execution thereof and not until the works shall have been measured by the Engineer-in-Charge. If the contractor shall fail to comply with the requirement on this clause as to the removal of scaffolding, surplus material and rubbish, all huts and sanitary arrangements and cleaning off as aforesaid, before the date fixed for the completion of work, the Engineer-in-Charge may, at the expense of the contractor get cleared off such dirt as aforesaid: and the contractor shall forthwith pay the amount of all expenses so incurred and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale proceed thereof.

Clause-6A

WINDING UP OF THE CONTRACT

On completion of work, the contractor shall hand over the same to the Engineer-in-Charge or his authorized representative free from all defects, shortcomings or imperfections. He shall clear the site or all temporary works, pits, godowns, offices, sanitary, scaffolding, debris, waste materials, and installations. He shall also furnish the following documents duly signed by him or his authorized representatives.

- i) Completion drawings showing the work as finally constructed.
- ii) Variation statement showing the altered items, if any, against those provided in the original drawings/NIT.
- iii) Original site instructions book.
- iv) Original registers for various quality control test as specified.
- v) Cement consumption register.

Clause-7 PAYMENT ON INTERMEDIATE CERTIFICATES REGARDED AS ADVANCES

No payment shall be made for a work estimated to cost less than rupees twenty thousands, till after the whole of the work shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than rupees twenty thousand, the contractor shall on submitting a bill thereof be entitled to receive a monthly payment proportionate to the part thereof the time limit than executed to the satisfaction of the Engineer-in-Charge, whose certificate of the sum payable shall be final and conclusive against the contractor. But all such intermediate payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed: and shall not preclude the requiring of bad, unsound, imperfect or unskilled work, to be removed and taken away and reconstructed or re-erected or be considered as an admission of the performance of the contract or any part thereof in any respect of the accruing of any claim nor shall it conclude determine of effect in any way the powers of the Engineer-in-Charge under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way, vary or affect the contract. The final bills shall be submitted by the contractor within one month of the date fixed for completion of the work, otherwise the certificate of the Engineer-in-Charge as regards measurements and the total amount payable for the work shall be final and binding.

Clause-8

BILL TO BE SUBMITTED MONTHLY

A bill shall be submitted by the contractor each month on or before the tenth day or any other date fixed by the Engineer-in-Charge accompanied by the following documents :-

- i) Measurements and quantities of items of work done since last bill.
- ii) Upto date statement of materials received from the stores showing the recoveries made upto last bill in question, both in terms of quantity and value.
- iii) Copies of quality control test in specified formate covering the work done since last bill.
- iv) Copies of instructions recorded in the site instruction book containing the instructions and compliance made thereof, covering the work done since last bill.

A bill which is not accompanied with the above documents shall not be entertained.

The Engineer-in-Charge shall get the bill verified, if possible, within 30 days from its presentation and the contractor shall be required to sign the corrections made, if any, in token of its acceptance, before releasing or adjusting the payable amount.

If the contractor does not submit the bill within time limit or delays its submission or acceptance or corrections after verifications' the entire responsibility for nonpayment or delay in payment shall rest with him.

Clause-9

BILL TO BE PRINTED FORM/EXTRA ITEMS

The contractor shall submit all bills on the printed forms to be had on application from the office of the Engineer-in-Charge and the rates in the bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered, in pursuance of these conditions and not mentioned or provided for in the tender, at the rates hereinafter provided for such work.

The contractor shall deliver in the office of Engineer-in-Charge on or before the 10th day of every month during their continuance of work covered by this contract, a return showing details of any work to be charged of extra with value based upon the rates and prices mentioned in the contract or in the common schedule of rates, applicable to the location of work on the date of tender. The contractor shall include in such return particulars of all demands or whatever kind and who so ever arising, which at the date thereof he has in respect of or in any mannerising out of execution of work. The contractor shall be deemed to have waived of all claims not included in such return and will have no right to enforce any such claim not so included whatsoever be the circumstances.

Clause-10**STORES SUPPLIED BY AUTHORITY**

The contractor shall use certain stores to be provided by the Engineer-in-Charge as shown in the "Schedule of materials". The materials and stores shall be supplied according to the requirement from time to time for the purpose of the contract only at the rates specified in the said schedule. The full value thereof may be set off or deducted from any sum due or thereafter the become due to the contractor under the contract or otherwise or from the security deposit irrespective of the actual of the theoretical consumption of such materials. All stores/materials so supplied shall remain the absolute property of the authority the contractor being the trusty thereof, and shall not be removed/from the site of work and shall be all times open for inspection by the Engineer-in-Charge. No carriage or incidental charges will be payable for moving the material from the place of delivery as specified in the Schedule of materials, to the site of work except as provided in CSR.

Any such stores/materials remaining unused in perfectly good condition at the time of completion of the contract shall be returned to the stores of the Engineer-in-Charge, if so required by him. In case the stores/materials are not taken back, the contractor shall have no claim for compensation on account of such stores/materials remaining unused or for any wastage or damage to any such materials. The price allowed to the contractor from the returned-materials shall not exceed the amount charged to him excluding the storage charges if any.

The contractor shall bear all expenses on cartage, storages, safe custody against damage to sun, rain dampness, fire, theft etc.

Clause-10A**SECURED ADVANCE**

The contractor, on signing an indenture in the form to be specified by the Engineer-in-Charge, shall be entitled to be paid, during the execution of work upto 75% of the estimated value of any materials, which are in opinion of the Engineer-in-Charge non perishable under Para 2.105 of P.W.D. code coupled in accordance with the requirements with rule 7.37 of D.F.R. (Financial Hand Book No.3) of the contract and which have been procured and adequately stored against damage, but which have not been incorporated in the works at the time of making advance.

Clause-10B**MOBILIZATION ADVANCE**

On application by the Contractor, mobilization advance to the extent of five percent of the value of the work may be paid to the contractor at an interest of eighteen percent per annum after the fulfillment of the following conditions before payment:-

- i) The contractor shall have physically completed atleast two percent of the value of work.
- ii) The contractor shall furnish a bank guarantee of equivalent amount which will be valid for a period of 3 months beyond the date of completion of the work as per contract agreement.

The material shall not be pledged for obtaining secured advance.

The recovery of mobilization advance and interest thereof shall start when 20% of the work is completed and shall be fully made when 80% of the work stands completed.

Clause-11 WORK TO BE EXECUTED IN ACCORDANCE WITH SPECIFICATION, DRAWING ORDER ETC.

The contractor shall execute the whole and every part of the work in the most-substantial and worm-man-like manner both as regards, materials and labour and otherwise in every respect in strict accordance with the Punjab P.W.DS. specifications latest Edition. The contractor shall also confirm exactly, fully and faithfully to the designs, drawings and instructions in writing relating to the work-signed by the Engineer-in-Charge and lodged in his office and to which the contractor shall be entitled to have access during the office hours, or on the site of work. The contract shall be furnished free of charge one copy of all such drawings and such specifications as are not included in the printed Punjab P.W.D. specifications. He shall, if he so requires, be entitled at his own expenses to make or cause to be made copies of the drawings, designs, specifications and instructions as aforesaid.

For ensuring the requisite quality of construction, the material used in works shall be subjected quality control test for materials and workman-ships tests as laid down in Punjab, P.W.D. Specifications as amended from time to time or the relevant standards laid down by the Bureau of Indian Standards/Hand Book of quality control for Construction of Roads and Runaway I.R.C. Latest Edition or instructions issued under the orders of the Punajb, PUDA/BDA by the Engineer-in-Charge and/or in conjunction with the quality control cell. The Contractor shall provide all help and assistance in proceeding with required tests.

The contractor shall set up a quality control field laboratory equipped at least with the test equipment indicated in to these "Conditions of Contract". Annexure-I and employ trained staff to carry out periodical tests as per directions and procedures laid down by the Quality Control cell. The records shall be maintained in the prescribed formats and copies thereof covering the work done each month shall be submitted with the bills.

Clause-11A**REMOVAL OF EMPLOYEES/WORK MEN**

The Engineer-in-Charge shall have full powers at all times to object to the employment of any workmen foremen or other employees on the work by Contractor, and if the contractor shall receive notice in writing from the Engineer-in-Charge requiring the removal of any such person from the work, the contractor shall comply with the order forthwith. No such Workman/foreman or other employees, after his removal from the works by the order of the Engineer-in-Charge shall be re-employed or re-instated on the work by the Contractor at any time except with the previous approval in writing of the Engineer-in-Charge. The contractor shall not be entitled to demand the reason from the Engineer-in-Charge for requiring the removal of any such workman/foreman or any other employee.

Clause-12**ALTERATION IN SPECIFICATION AND DESIGNS**

The Engineer-in-Charge shall have power to make any alterations omission from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to be necessary or advisable during the progress of work, and the contractor shall be bound to carry out the work in accordance with any instructions which may be given to him in writing, signed by the Engineer-in-Charge. Such alterations/additions or substitutions shall not invalidate

Contractor

Witness

Divisional Engineer

the contract and any altered, additional or substituted work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work and at the same rates as are specified in tender for the main work, the Time of completion of work shall be extended in the proportion that the altered, additional or substituted works, bears to the original contract work and the certificate of the Engineer-in-Charge shall be conclusive as to such proportion. The rates for such additional altered or substituted work shall be determined in accordance with the following provisions in their respective order :-

- i) If the rates for the additional, altered or substituted work are specified in the contract for the work, the contractor is bound to carry out the additional stated or sub-stated work at the same rates as are specified in the contract for the work.
- ii) If the rates for the additional altered or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates for a similar class or work as are specified in the contract for the work.
- iii) If the rates cannot be determined as provided in (i) and (ii) above, then such work shall be paid at the rates entered in common schedule of the rates minus/plus the percentage rate at which the bid has been accepted.
- iv) If the rates for the altered, additional or substituted work cannot be determined in the manner specified in clauses (i), (ii), (iii) above, then the contractor shall within 7 days of the date of his receipt of the order to carry out the work inform the Engineer-in-Charge, of the rate or rates which he intends to charge for such class or work rates on the basis of prevalent market rates and pay the contractor accordingly.

However the Engineer-in-Charge, by notice in writing, will be at liberty to cancel the order given by the contractor to carry out such class of work and arrange to carry out in such manner as he may consider advisable, provided always that if the contractor shall have commenced work or incurred any expenditure in regard there to before the rates shall have been so determined, then in such cases he shall be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-Charge. In the event of dispute, the decision of the Superintending Engineer of the circle shall be final.

Clause-13 NO COMPENSATION FOR ALTERATION IN OR RESTRICTION IN WORKS

If at any time after the commencement of the work the authority shall for any reason what-so-ever not require the whole or part thereof, as specified in the contract to be carried out the Engineer-in-Charge shall give notice in writing of the fact to the Contractor, who shall have no claim to any payment or compensation what-so-ever on account of any profit or advantage which he might have derived from the execution of the work in fully, but which he did not drive in consequence of the full amount of the work not having been carried out, neither shall he have any claim for compensation by reason of any alteration having been made in the originally specifications, drawings, designs and instructions, which shall involve any curtailment of the work originally contemplated.

Clause-14 ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK

It shall appear to the Engineer-in-Charge or his subordinate in-charge of the work that any work has been executed with unsound, imperfect, unskillful workmanship or with materials of any inferior description or that any articles or materials provided by the contractor for the execution of work are unsound or of a quality inferior to that contracted for or otherwise not in accordance with the contract, the contractor shall, on demand in writing by the Engineer-in-Charge specifying the work, materials or articles complained of, notwithstanding that the same have been inadvertently passed, certified and paid for, forth with rectify or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be remove the materials or articles so specified and provide other proper and suitable materials or articles at his own proper charge and cost. In the event of his failing to do so, within a period to be specified by the Engineer-in-Charge in his demand aforesaid, the contractor shall be liable to pay compensation at the rate of one percent of the estimated amount for every week not exceeding ten weeks, while his failure to do so shall continue and in the case of such failure, the Engineer-in-Charge may rectify or remove and re-execute the work to remove and replace with others, the materials or articles complained of as the case may be at the risk and expense in all respect of the contractor.

Clause-15 WORK TO BE OPEN TO INSPECTION

All work under in course of execution or executed in pursuance of the contract shall at all times to be open to the inspection and supervision of the Engineer-in-Charge and his senior/subordinates and the contractor shall at all times during the usual working hours and at all other times at which reasonable notice of the intention of the Engineer-in-Charge or his senior/subordinates to visit the works shall have been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent, duly accredited in writing, present for that purpose. Orders given to a contractor's agent shall be considered to have the same force as if they had been given to contractor himself.

Clause-16 NOTICE TO BE GIVEN BEFORE WORK IS COVERED UP

The Contractor shall given not less than 10 days notice in writing to the Engineer-in-Charge or his sub-ordinate-in-Charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof may be taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in-Charge or his subordinate in charge of the work and if any work shall be covered up or, placed beyond the reach of measurement, without such notice having been given or consent obtained, the same shall be uncovered at contractor's expense or in default thereof no payment or allowance shall be made for such work or of the material with which the same was executed.

Clause-17**LIABILITY FOR DAMAGE AND IMPERFECTION FOR THE
THREE MONTHS AFTER CERTIFICATE**

If the Contractor or his workmen shall break, deface, injure or destroy any part of a building in which he may be working or any building, road, fence enclosure or green grass land, water pipes, cables, drains, electric or telephone posts or wires, trees or cultivated ground contiguous to the premises on which the work or any part of it is being executed or if any damage shall happen to the work, while in progress from any cause what-so-ever or any defect, imperfection or other faults appear in the work within three months after a certificate final or other of its completion shall have been given by the Engineer-in-Charge, the contractor shall make the same good at his own expense or in a default, the Engineer-in-Charge may cause, the same to be made good by other workmen and deduct the expenses incurred both on Labour and Material (for which the certificate of the Engineer-in-Charge shall be final) from any sums that may be then due or at any thereafter may become due to the contractor from his security deposit.

Clause-18 CONTRACTORS TO SUPPLY MATERIALS, PLANT, SCAFFOLDINGS

The contractor shall arrange and supply at his own cost all materials (except such specific materials as may be issued from the stores of the Engineer-in-Charge) plant, tools, appliances, implements, ladders, cordage, tackle, scaffoldings water and power supply and temporary works requisites or proper for effective execution of the work. Whether original, altered or substituted and whether included in the specification or the documents forming part of the contract or referred to these conditions or not all which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matter which under these conditions he is entitled to be satisfied or which he is entitled; to require together with the carriage there of to an from the work. The contractor shall also supply free of charge the requisite number of persons with the means and materials necessary for the purpose of setting out works on counting, weighing and assistance in the measurements or examination at any time or from time to time of the work or materials. Failing his so doing the same may be provided by the Engineer-in-Charge at the expense of the contractor and this expense may be deducted from any amount due to the contractor under the contract or from his security deposit. The contractor shall also provide necessary fencing and lights required to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceeding at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit, action or proceedings to any such person or which may, with the consent of the contractor be paid to compromise any claim by any such person.

Clause-19**LABOUR LAWS**

The contractor shall comply with all the provisions of minimum wages Act, 1948, Workman's Compensation Act, 1923, Contract labour (Regulation and abolition) Act, 1970 and the rules framed there under, the payment of wages Act, 1936, Employed liability Act, 1938. Maternity benefits Act, 1961. The apprentices Act, 1961 and rules framed there under the Industrial Disputes, 1947. He shall also make satisfactory arrangements for labour huts, protection of health and sanitary arrangement for the workmen employed on the work.

In every case in which by virtue of provisions of the Contract labour (Regulation and Abolition) Act, 1970, and of the contract labour Rules Authority is obliged to pay any amount of wages to a workman employed by the contractor in execution of the works or to incur any expenditure in providing welfare and health amenities required to be provided under the above said act and the rules under the P.W.D. Contractor's labour Regulations or under the rules framed by the Government from time to time for the protection of health and sanitary arrangements for workers employed by P.W.D. Contractor. The authority will recover from the contractor the amount of wages so paid or the expenditure so incurred under without prejudice to the rights of the Government under section 20 Sub-Section (2) and section 21 Subsection (4) of the Contract Labour (Regulation and Abolition) Act, 1970. Authority shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by Authority to the contractor whether under this contract or otherwise. Authority shall not be bound to contest any claim made against it under section 20 sub section (1) and section 21. Sub section (4) of the said Act except on the written request of the contractor and upon his giving to the Authority full security for all costs for which the Authority might become liable in contesting such claim.

Clause-20**CONTRACTOR LIABLE FOR PAYMENT OF COMPENSATION
TO INJURED WORKMAN OR IN CASE OF DEATH**

In every case in which by virtue of the provision of the section 12, Sub-section (1) of the workman's compensation Act, 1922, the Authority is obliged to pay compensation to a workman employed by the contractor in execution of work, the Authority will recover from the contractor the amount of compensation so paid and without prejudice to the rights of Authority under section 12, sub section (ii) of the said Act. The Authority shall be at liberty to recover such amount of any part thereof by deducting it from the security deposit or from any sums due by the Authority to the contractor whether under this contract or otherwise authority shall not be bound to contest any claim made against it under section 12, Sub-section (1) of the said Act except on the written request of the contractor and upon his giving to Authority full security for all costs for which the Authority might become liable in consequence of contesting such claim.

Clause-21**WORK NOT TO BE SUB-LET**

The contractor shall not be assigned or sub-let without the written approval of the Engineer-in-Charge Employment of labour on piece rate basis shall not however be deemed sub-letting. If the contractor shall assign or sublet his contract or attempts to do so without the approval as aforesaid or become insolvent or commence any on solvency proceedings or make any composition with his creditors or attempt to do so or if any bribe, gratuity, gift, loan, perquisite, reward or advantage, pecuniary or otherwise, shall either directly and indirectly be given, promised or offered by the contractor or any of his servants or agents to any public officer in the employ of the Government in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-Charge may absolutely there-upon terminate the contract as specified in clause-3 and in the event the said course being adopted, the consequences specified in the said clause 3 shall ensure.

Contractor

Witness

Divisional Engineer

- final bill to the contractor or from the date a registered notice is sent to the contractor to the effect that his final bill is ready by the Engineer-in-Charge (whose decision in this respect shall be final and binding) whichever is earlier.
- viii) It shall be an essential term of this contract that in order to avoid frivolous claims the party invoking arbitration shall specify the disputes based on facts and calculations stating the amount claimed under each claim and shall furnish a "deposit at call" for ten percent of the amount claim, on a scheduled bank in the name of the Arbitrator, by his official designation who shall keep the amount in deposit till the announcement of the award. In the event of an award in favour of the claimant, the deposit shall be refunded to him in proportion to the amount awarded with respect to the amount claimed and the balance, if any, shall be forfeited and paid to the other party.
- ix) The provisions of the Indian Arbitration Act, 1940 or any other statutory enactment thereunder or modification thereof and for the time being in force shall apply to the arbitration proceedings under this clause.
- x) The Arbitrator shall award separately giving his award against each claim and dispute and counter claim raised by either party giving reasons for his award. Any lumpsum award shall not be legally enforceable.
- xi) The Independent claim of the party other time the one seeking arbitration as also the counter claims of any party shall be entertained by the Arbitrator.
- xii) The venue of arbitration shall be such place or places as may be fixed by the Arbitrator in his sole discretion. The work under the contract shall continue during the arbitration proceedings.
- xiii) The stamp fee due on the award shall be payable by the party as desired by the Arbitrator and in the event of such party's default, the stamp fee shall be recoverable from any other sum due to such party under this or any other contract.
- xiv) Neither party shall be entitled to bring a claim for arbitration, if it is not filed as per the time period already specified or within six months of the following :
- Of the date of completion of the work as certified by the Engineer-in-Charge or
 - Of the date of abandonments of the work or breach of contract under any of its clause, or
 - Of its non-commencement or no resumption of work within 10 days of written notice for commencement or resumption as applicable, or
 - Of the cancellation, termination or withdrawal of the work from the contractor in whole or in part and/or revision or foreclosure of the contract, or
 - Of receiving an intimation from the Engineer-in-Charge that the final payment due or recovery from the contractor have been determined, for the purpose of payment/adjustment whichever is the latest.
- If the matter is not referred or arbitration within the period prescribed above, all the rights and claims of either party under the contract shall be deemed to have been forfeited and absolutely barred by the time for arbitration and even for civil litigation.
- xv) No question relating to this contract shall be brought down before any civil court without first invoking and completing the arbitration proceedings, if the issue is covered by the scope of arbitration under this contract. The pending of arbitration proceedings shall not desentile the Engineer-in-Charge to terminate the contract and to make alternate arrangement for completion of the works.
- xvi) The arbitrator shall be deemed to have entered on the reference on the day, he issues notices to the parties fixing the first day of hearing. The arbitrator may, from time to time, with the consent of the parties enlarge the initial time for marking and publishing the award.
- xvii) The expiry of the contractual time limit, whether originally fixed or extended, shall not invalidate the provisions of this clause.

Clause-26 (a) STORAGE OF CEMENT AND RECORD OF CONSUMPTION

Cement bags issued by the department shall be stored in separate godowns to be constructed by the Contractors, Each godown shall be provided with a single door and two locks. The key of one lock each shall remain with the authorized representative of the department and the contractor at the site of work. Cement shall be taken out of the store accordingly to daily requirement with the knowledge of both the parties and the account shall be maintained in the perform as at Annexure II to these conditions of contract.

(b) VARIATION IN CONSUMPTION OF MATERIALS

The variation if any in actual consumption of materials issued by the Authority, when compared with (i) theoretical consumption of cement as per consumption factors given in the Common Schedule of Rates, 1987, (ii) measured quantity as recorded in measurement books for steel and (iii) other materials at the specified rates in the relevant items, shall not exceed five percent of the theoretical/recorded consumption.

For excess consumption beyond the above limits, recovery shall be made at penal rates, which shall be double the issue rates exhibited in the schedule of materials. If the excess consumption is within the above limits, the recovery of materials shall be made at the rates exhibited in the schedule of materials for the material actually issued and consumed.

(c) DETERIORATION/PILFERAGE OF MATERIALS

In case any quantity of cement, steel or any other commodity issued to contractor by the Engineer-in-Charge for use (directly on the aforesaid work) or manufacture of material required in connection there with is disposed or by him or lost or allowed to get deteriorated, the cost of such quantity of that material shall, without prejudice to other rights and remedies available to the Authority recovered from the contractor at double the rate at which it is agreed to be supplied to the contractor.

(d) DOOR AND WINDOW FITTINGS

Brass or aluminium door and window fittings ISI marked shall be issued by the department free of cost. The cost of fittings lost or fixed short by the contractor, if any, will be recovered at double the departmental issue rate.

Clause-27**LUMP SUM IN ESTIMATE**

When the estimate on which a bid is made included lump sums in respect of parts of the work, the contractor shall be entitled to payment in respect of the items of work involved at the same rates as are payable under this contract for such items. If the part of the work in question is not in the opinion of the Engineer-in-Charge capable of measurement, the Engineer-in-Charge may at his discretion pay the lump sum amount entered in the estimate and the certificate in writing of the Engineer-in-Charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under provision of this clause.

Clause-28**SPECIFICATIONS**

In the case of any class of work for which there is no specification as mentioned in clause 11, the work shall be carried out in accordance with the specifications laid down by the Bureau of Indian Standards and in the event of there being of such specifications, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

Clause-28A**(a) CONCRETE WORK**

All the concrete work shall have to be done with mechanical mixer unless permitted otherwise by Engineer-in-Charge. All R.C.C. work shall be compacted with a mechanical vibrator driven by petrol/diesel or electricity. All R.C.C. work and plain cement concrete of mix 1:3:6 (M-10) and richer mixes, only Ghaggar sand and or Pathankot sand having a fineness modulus between 2.5 to 3.5 shall be used. Test samples shall be taken during the execution of work as per stipulations of the Bureau of Indian Standards. The compressive strength of test samples shall meet the requirements of relevant standards laid down by the B.I.S. The contractor shall set up a field testing laboratory with necessary equipment and appoint suitable staff for carrying out the test at his cost.

(b) CURING OF CEMENT WORK

The contractor shall ensure proper curing of all work involving use of cement strictly as per stipulations of the Punjab P.W.D. Specifications. Since proper curing during the critical period has a direct bearing on the strength and safety of cement work, the Engineer-in-Charge shall, in the case of any default on the part of the contractor, take prompt action to arrange adequate curing at the cost of the contractor without issuing any prior notice in this respect, to avoid lapse of critical period of curing. The certificate of the Engineer-in-Charge would be final and binding in this respect and the cost incurred shall be recovered from the contractor.

(c) PITS AT SITE PROHIBITED

No pits shall be dug by the contractor at or near the site of work for taking out earth for use in the work. In case of default the pits so dug shall be got filled by the department at the cost of the contractor, charging additional amount of fourteen percent towards departmental charges.

(d) CO-ORDINATION AND OTHER AGENCIES

The contractor shall maintain close co-ordination and afford necessary facilities to other agencies executing other works like Electrification, Horticulture, Water Supply, Sewerage and external services etc. No claim for additional payment on this account shall be entertained.

Clause-29**(a) STATUTORY LEVIES**

The rates as offered and accepted in this contract are inclusive of all taxes and statutory levies such as Income Tax, Octroi/Terminal Tax, Sales Tax/Turnover Tax, royalty, contribution under Employee's State-Insurance and local taxes payable under the respective statutes (ESI contribution etc.)

(b) INCOME TAX

Income Tax shall be deducted at source as per provisions of the Income Tax Act and a certificate of such deduction made in each financial year shall be furnished to the contractor by disbursing officer.

(c) SALES AND OTHER TAXES

Sales Tax turnover tax or any other tax shall also be deducted from the bills of the contractor if so directed by the authorities concerned.

(d) LOCAL LAWS AND LEVIES

The contractor shall comply with the proper bye laws and legal orders of the local body or public authority under the jurisdiction of which the work is executed and pay all fees and charges for which he may be liable. Nothing extra shall be payable on this account.

(e) DAILY PAYMENT IN EMERGENCY

In case of emergency, the contractor shall be required to pay his labour every day and in case of default, the requisite payment shall be made by the Authority and the amount shall be recovered from the contractor.

Clause-30**VARIATION IN PRICES**

No claim shall be entertained on accounts increase of price and labour and material due to any cause whatsoever.

Clause-31**(a) TECHNICAL STAFF**

The contractor shall employ the following technical staff on whole time basis during the execution of work and shall submit names and attendance certificate on the 10th of each calendar month.

- i) One Graduate Engineer having relevant experience of not less than three years for work amounting to more than 50.00 lacs

Contractor

Witness

Divisional Engineer

- ii) One Graduate Engineer or qualified diploma holder having relevant experience of not less than three years for works amounting to Rs. 50.00 lacs

The technical staff shall be available at site all the times.

In case the contractor fails to employ the above minimum technical staff or fails to submit the names and attendance certificate of such staff, recovery shall be made from his bills at the rate of twice the average pay of the corresponding staff working with the Public Health Deptt.

(b) CONSULTANTS FOR QUALITY CONTROL

It is expected that every contractor will have proper quality control staff and procedures in order to ensure quality. They are also expected to improve their procedures in line with I.S.O. 9000 and get the certification. For all works amounting to more than Rs. 2.00 Crore. The contractor shall engage a competent and independent quality control consultant to exercise effective control over the construction operations in the field so as to produce quality works. The fully equipped laboratory shall be set up and trained staff shall be employed by the said consultant. The contractor shall supply to the Engineer-in-Charge a copy of his agreement and the fee for quality control should generally be between 0.5% and 1.5% of the contract value. The payment to the quality control consultant shall be made by the Engineer-in-Charge direct as per the copy of the agreement supplied by the contractor. This payment will be recoverable from the contractor. The consultant will guide the contractor for production of quality work at all stages and shall maintain records, reports and test results so as to indicate the extent of quality achieved. The consultant will also supply a copy of all these reports, tests and checks with his bill without which no payment shall be made. The Engineer-in-Charge can also order to change of consultant if in his opinion they are not performing competently. The Engineer-in-Charge will be free to conduct surprise, random or in-stiu checks so as to have cross check on quality. In case the contractor fails to employ for the whole or part of the period of execution a quality control consultant, the Engineer-in-Charge may order employment of a consultant at the cost of the contractor or may order the departmental staff to carry out the quality control checks and a deduction at the rate of 1.5% of the total cost of the work shall be deducted from the bill of the contractor even if the actual expenditure incurred on private consultant or departmental quality control is loss, nothing in this clause shall reduce the overall responsibility of the contractor regarding quality and he shall remain liable for any defect in the execution.

(c) PERFORMANCE TEST

The contractor shall give a satisfactory performance test of the entire installations as per standard specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for this test.

Clause-32

ACTS OF GOD

No claim whatsoever shall be entertained for any loss or damage caused by rain, floods or any other natural causes or other acts of God.

Clause-33

JURISDICTION

The Jurisdiction of Civil Courts for matters under dispute shall be on the basis of the location of the office of Engineer-in-Charge.

Clause-34

The terms and conditions of the Agreement have been explained to me/us and I/We certify that I/We clearly understand.

ANNEXURE 1

(See Clause)

List of essential equipment and machinery to be arranged by the Contractor free of cost

(a) For Construction

- | | | | |
|----|----------------------------------|-------|------|
| 1. | Steel shuttering | _____ | Sqm. |
| 2. | Concrete mixer with hopper's | _____ | Nos. |
| 3. | Concrete Vibrators | _____ | Nos. |
| 4. | Pump Sets | _____ | Nos. |
| 5. | G.I. Pipe Line with specials | _____ | mtr. |
| 6. | Flexible pipe line | _____ | mtr. |
| 7. | Theodolite | _____ | No. |
| 8. | Dumpy level with leveling staves | _____ | Nos. |
| 9. | Plane table set | _____ | |

(b) For Field Laboratory

- | | | | |
|-----|---|-------|------|
| 1. | Compression testing machine | _____ | Nos. |
| 2. | Concrete cube mould 150x250x150mm | _____ | Nos. |
| 3. | Slump cones | _____ | No. |
| 4. | Graduated cylinder | _____ | No. |
| 5. | Set of sieves for coarse aggregate
(40,20,10,4,75)mm | _____ | Sets |
| 6. | Set of sieves for fine aggregate (10,4.75,
2.36,1.18mm & 600,300,150 micron.) | _____ | Sets |
| 7. | Weighing scale (Pan type) with weights | _____ | Nos. |
| 8. | Core-cutters for soil with accessories | _____ | Nos. |
| 9. | Electronic Moisture meter for timber | _____ | No. |
| 10. | Latest B.I.S. codes for wood work,
flooring Masonry Marble flooring
concrete work, aggregates and other
important items. | _____ | |

Contractor

Witness

Divisional Engineer

ANNEXURE-II
Cement Steel Register
Particular Issue

PARTICULAR OF RECEIPT OF												
Date	Qty. Recd.	Source of Receipt with Main store permit/Gate Pass No.	Progress- ive Total	Date	Qty. Issued	Item of Work	Qty. Returned at the end of day	Actual Issue	Daily Balance	J.E.'s Initials	Signature of contractor/ Represent- ative.	Check AE/EE
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.

Contractor

Witness

Divisional Engineer

SPECIMEN
A FORM OF PERFORMANCE BANK GUARANTEE

TO

Name of Employer

Address of Employer.....

Whereas (Name and Address of Contractor)
(hereinafter called "the contractor" has undertaken, in Pursuance of contract No. dated..... to
execute (Name of contract and brief description of works) called "the contractor".

And whereas it has been stipulated by you in the said contract that the contractor shall furnish you with a
Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in
accordance with the contractor.

And whereas we have agreed to give the contractor such a Bank Guarantee.

Now therefore we hereby affirm that we are the Guarantor and responsible to you, on behalf of the
contractor, upto a total amount of guarantee..... (in words)
..... we undertake to pay you, upon your first written demand and without cavil
or argument, any sum or sums within the limits of amount of Guarantee
..... as aforesaid without your needing to prove or to show grounds or reasons for your
demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us
with the demand.

We further agree that no change or addition to or other modifications of the terms of the term of
contractor before presenting us with the demand.

We further agree that no change or addition to or other modifications of the terms of the contract or of the
works to be performed thereunder for any of the contract documents which may be made between you and the contractor
shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change,
addition or modification.

This guarantee is valid until the date..... months after the issuing of the
maintenance certificate.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank
Address.....
Date.....

Contractor

Witness

Divisional Engineer

ANNEXURE - D

ITEM NO. 5

(Para 27.4 of P.W.D. Specification 1963)

On the completion of any work whether executed on through rates, labour rates or Departmental labour, the consumption statement shall be prepared for such materials as have been issued by PUDA, in order to determine the excess or short consumption of materials the actual quantities issued to the work shall be compared with the theoretical worked out quantities on the basis of consumption factor given in Chapter 27 of Common Schedule of rates. The consumption of material for different items will normally, confirm the quantities given in that chapter. However if there is any excess or short consumption of materials the following procedure should be adopted unless otherwise specified.

(a) For Excess consumption of material

No action shall be taken if the actual consumption does not exceed the theoretical consumption beyond the percentage detailed below :

(i)	For works costing upto Rs. 2 lacs	5% of total theoretical quantity
(ii)	For works costing from Rs. 2 lacs to 5 lacs	4% of total theoretical quantity
(iii)	For works costing more than Rs. 5 lacs	3% of total theoretical quantity

this variation will not be taken as matter of routine and will have to be properly justified in each case by Engineer-in-Charge. If the actual consumption exceed the theoretical consumption by more than the permissible limits given above, recovery shall be made for the excessive consumption of material beyond the permissible limits detailed above at panel rate provided in the contract from the contractors and disciplinary action may be taken against the departmental officials, as the case may be where the excess consumption in the option of Divisional Engineer is substantially high, he shall bring such case to the notice of Superintending Engineer for the further action whose decision in all such case will be final.

(b) For short consumption of material

Where the actual consumption of materials is short by percentage detailed below or less, no action shall be taken when the work is executed on the rates or departmentally.

(i)	For works costing upto Rs. 2 lacs	5% of total theoretical quantity
(ii)	For works costing from Rs. 2 lacs to 5 lacs	4% of total theoretical quantity
(iii)	For works costing more than Rs. 5 lacs	3% of total theoretical quantity

This variation will not be taken as matter of routine and will have to be properly justified in each case by Engineer-in-Charge, where the work is done on through rate basis, the recovery of costs of materials, thus save shall be made from the Contractor at the issue rate, when the consumption of materials is short by more than the permissible percentage detailed above and the work is being done on through rate basis, the rates of the items shall be reduced or where it is not possible to determine the exact item on which short material has been use the item shall be reduced or where it is not possible to determine the exact item on which short material has been used the cost of the material shall be recovered form the contractor at issue rate upto permissible limits and at penal rates after provided in the contact. When the work is done departmentally or on labour rate and consumption is short by more than the permissible percentage details above the Divisional Engineer shall investigate of the cause of such short consumption and shall bring to the notice of the Superintending Engineer all such case, for such action against defaulting authority officials and contractors as he may deem fit. The decision of the Superintending Engineer in this matter shall be final. It shall be determined whether the stability of structure is affected adversely by short consumption of material and in case where it is felt that it is likely to be so the work shall be rejected. The decision of the Superintending Engineer in this regard shall be final.

(a) For Major Projects involving weigh switching actual variation will be ascertained and fixed by the project authorities.

(b) The cost of work shall be considered as basis on C.S.R. 1987 about any ceiling premium.

Contractor

Witness

Divisional Engineer

ANNEXURE - E

Schedule of Materials

Schedule showing (approximately) materials supplied from the authority's Stores for work contracted to be executed at the rates at which they are to charge for

Particulars	Rate at which the material will be charged to the contractor		Place Deliver
	Rs.	P.	
1. CEMENT	UNITS Per bag (inclusive empty bag) + 3% storage charges.		
2. STEEL	per M.T. + 3% storage charges.		
3. BITUMEN GRADE	per M.T. + 3% storage charges.		

Note: The person or firm submitting the tender should see that the rate in the above schedule are filled up by the Engineer-in-Charge on the issue of the form prior to the submission of the tender.

Contractor

Witness

Divisional Engineer

D.N.I.T. for Renovation of Stadium at Bathinda.

Sr. No.	Description of Item	Qty.	Unit	Rate		Amount
				(In Figure)	(Rate in Words)	
1	2	3	4	5	6	7
	CIVIL WORK					
1	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	3167	Cum	6860.00	(Rs. Six Thousand Eight Hundred Sixty only)	217256.00
2	Centring and shuttering for flat surface such as Suspended floors, Roofs, Landing, Chhajjas, Shelves etc.	77	Sqm	222.00	(Rs. Three Hundred only)	17094.00
3	Centring and shuttering for sides and soffits of beams haunching, girders, bressumers, lintels.	2527	Sqm	300.00	(Rs. Three Hundred only)	758100.00
4	Centring and shuttering for stair cases with sloping soffits including risers and stringers.	5924	Sqm	246.00	(Rs. Two Hundred Forty Six only)	1457304.00
5	Centring and shuttering for columns (square or rectangular or polygonal in plan)	2110	Sqm	285.00	(Rs. Two Hundred Eighty Five only)	601350.00
6	Shuttering for faces of concrete foundations and foundation beams. (Vertical and battering)	2586	Sqm	150.00	(Rs. One Hundred Fifty only)	387900.00
7	Cement concrete 1:4:8 with 40 mm gauge stone ballast.	381.99	Cum	1767.15	(Rs. One Thousand Seven Hundred Sixty Seven and Paise Fifteen only)	675034.00
8	Reinforced cement concrete M-20 Mechanical Mixed & Vibrated but excluding steel reinforcement, centering and shuttering in foundation and plinth.	829.11	Cum	2867.90	(Rs. Two Thousand Eight Hundred Sixty Seven and Paise Ninety only)	2377805.00
9	Reinforced cement concrete M-20 Mechanical Mixed & Vibrated but excluding steel reinforcement, centering and shuttering in super structure.	1608.82	Cum	2897.65	(Rs. Two Thousand Eight Hundred Ninety Seven and Paise Sixty Five only)	4661797.00
10	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	460.37	Cum	2389.20	(Rs. Two Thousand Three Hundred Eighty Nine and Paise Twenty only)	1099916.00
11	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.					
	Ist Storey	1065.09	Cum	2521.20	(Rs. Two Thousand Five	2685305.00

Contractor

Witness

Divisional Engineer

					Hundred Twenty One and Paise Twenty only)	
	2nd Storey	4.97	Cum	2574.00	(Rs. Two Thousand Five Hundred Seventy Four only)	12793.00
12	115 mm thick brick wall laid in cement sand mortar 1:4 without reinforcement in super structure.	320	Sqm	336.60	(Rs. Two Thousand Five Hundred Twenty One and Paise Twenty only)	107712.00
13	First class burnt brick work laid in cement sand mortar 1:4 in first storey upto 4 metres above plinth level.	1474.57	Cum	2699.40	(Rs. Seventy Two only)	3980454.00
14	Earth filling with surplus earth excavated from the foundation.	764.53	% Cum	1015.00	(Rs. One Thousand Fifteen only)	7760.00
15	Terracing consisting of tiles 22.86 cm x 11.43 cm x 3.81 cm laid over 25mm mud plaster, 75 mm mud filling on another layer of 25 mm mud plaster including two coats of bitumen laid hot @ 1.65 Kg. per Sqm. on top of R.C.C slab including grouting with cement sand mortar 1:4 and top surface to be left clean after wire brushing etc.	62.18	Sqm	326.40	(Rs. Three Hundred Twenty Six and Paise Forty only)	20296.00
16	Providing and fixing cast iron shoe for rain water pipe on wooden plugs fixed on wall face including filling the joints with spun yarn and cement mortar 1:2.	3	Each	351.00	(Rs. Three Hundred Fifty One only)	1053.00
17	Top khurra 0.6m x 0.6m for rain water pipe in 25mm thick cement concrete 1:2:4 over 50mm thick cement concrete 1:8:16.	3	Each	60.00	(Rs. Sixty only)	180.00
18	Bottom Khurra on ground 1.2m. x 0.6m. consisting of brick on-edge laid in cement mortar 1:3 over 75mm cement concrete 1:8:16 including 12.5m.m. thick cement plaster 1:3	3	Each	366.00	(Rs. Three Hundred Sixty Six only)	1098.00
19	Base course of floor consisting of 100mm thick cement concrete 1:8:16 and 100mm sand filling.	1627.74	Sqm	159.00	(Rs. One Hundred Fifty Nine only)	258811.00
20	Kotah stone tile flooring 20mm to 30mm thick over 12.5 mm thick base of cement mortar 1:3 (1 cement; 3 sand) laid and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.	399.62	Sqm	901.00	(Rs. Nine Hundred One only)	360058.00
21	Providing and laying Rectified Glazed ceramic floor tiles 400mm x 400mm of premium quality conforming to IS: 15622 of approved make in all colours, laid on either 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) for new flooring or laid with cement based high polymer modified quick set tile adhesive of approved make (water based) conforming to IS: 15477 marked using 5 Kg. adhesive per sqm of tile area in average 3 mm thickness over existing floor, including grouting the joints with white cement and matching pigments etc.,complete. (Marked-B)	346.33	Sqm	877.50	(Rs. Eight Hundred Seventy Seven and Paise Fifty only)	303905.00
22	Providing and laying vitrified floor tiles 600mm x 600mm size premium	560.51	Sqm	1051.25	(Rs. One Thousand Fifty	589236.00

Contractor

Witness

Divisional Engineer

	quality with water absorption less than 0.08% and conforming to IS: 15622 of approved make in all colours and shades, laid on either 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) for new flooring or laid with cement based high polymer modified quick set tile adhesive of approved make(water based) conforming to IS: 15477 marked using 5 Kg. adhesive per sqm of tile area in average 3 mm thickness over existing floor, including grouting the joints with white cement and matching pigments etc.,complete. (Marked - A)				One and Paise Twenty Five only)	
23	Kotah stone tiles 20mm thick in skirting, riser of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 Cement and 3 Sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.	36.79	Sqm	952.00	(Rs. Nine Hundred Fifty Two only)	35024.00
24	White glazed tiles 20cm x 20cm x 5mm thick in skirting and dado on 12mm thick cement Plaster 1:3 in base and jointed with white cement slurry in joints including bevelled corners.	402.78	Sqm	901.20	(Rs. Nine Hundred Fifty Two only)	362985.00
25	Fine dressed red stone (from Agra) 40mm thick set in cement mortar 1:3 including pointing with cement mortar 1:2 with an admixture of pigment to match the shade of stone.	9595.81	Sqm	786.50	(Rs. Seven Hundred Eighty Six and Paise Fifty only)	7547105.00
26	Precast chequered tiles of 20mm thickness in ordinary grey cement without chips laid on 20mm thick bed of cement mortar 1:3 with neat cement slurry between joints and over the base in floors, treads of steps on landings.	33.08	Cum	319.00	(Rs. Three Hundred Nineteen only)	10553.00
27	10mm thick cement plaster 1:4.	11187.32	Sqm	63.00	(Rs. Sixty Three only)	704801.00
28	20mm thick cement plaster 1:4 in two coat work.	1953	Sqm	108.00	(Rs. One Hundred Eight only)	210924.00
29	12.5 mm thick cement plaster 1:4.	3324	Sqm	72.00	(Rs. Seventy Two only)	239328.00
30	Preparation of plastered surfaces for oil bound distemper including sand papering the surface, applying one coat of linseed oil and filling with approved quality filler, consisting of white lead, linseed oil varnish and chalk mitti finishing the surface to the required finish complete	6369	Sqm	62.50	(Rs. Sixty Two and Paise Fifty only)	398063.00
31	Distemping with washable oil bound distemper (of approved manufacture) two coats over one coat Priming coat on new work.	6369	Sqm	43.00	(Rs. Forty Three only)	273867.00
32	Preparation of plastered or concrete surface for painting, including sand papering the surface, applying one coat of linseed oil and filling with approved quality filler, consisting of white lead linseed oil, varnish and Chalk mitti including finishing surface to the required finish complete.	10095	Sqm	77.00	(Rs. Seventy Seven only)	777315.00
33	Applying priming coat with cement primer in all shades on newly plastered or concrete exterior surfaces.	10095	Sqm	22.27	(Rs. Twenty Two and Paise Twenty Seven only)	224816.00
34	Painting two coats with ready mixed exterior paint in all shades on newly plastered or concrete surface of walls.	10095	Sqm	68.75	(Rs. Sixty Eight and Paise Seventy Five only)	694031.00

Contractor

Witness

Divisional Engineer

35	Fixing glass panes (glazing area over 900 sq cm. of each pane) with nails and putty or wooden strip complete in all respects.					
	5.5mm thick plate glass (Indian) taking 0.78 Sqm. for window of size (0.9m x 1.3m).	373.42	Sqm	906.00	(Rs. Nine Hundred Six only)	338319.00
36	Preparation of plywood surface for painting including sand papering the surface and applying filling with approved quality fills consisting of white lead, linseed oil, Varnish, and Chalk Mitti including finishing the surface to required finish complete.	148.20	Sqm	25.02	(Rs. Twenty Five and Paise Two only)	3708.00
37	Applying pink primer or aluminium priming coat on wood work including preparation of surface knotting and stopping etc.	148.20	Sqm	20.15	(Rs. Twenty and Paise Fifteen only)	2986.00
38	Painting two coats excluding priming coat with synthetic enamel paint in all shades on new wood work metallic or plastered or concrete surface to give an even shade.	148.20	Sqm	59.15	(Rs. Fifty Nine and Paise Fifteen only)	8766.00
39	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	430.54	Sqm	16.25	(Rs. Sixteen and Paise Twenty Five only)	6998.00
40	Painting two coats excluding priming coat with readymixed paint for metallic surfaces in all shades on new steel or iron work.	430.54	Sqm	46.80	(Rs. Forty Six and Paise Eighty only)	20149.00
41	Spirit polishing two coats including a coat of wood filler on new work.	517.50	Sqm	55.25	(Rs. Fifty Five and Paise Twenty Five only)	28592.00
42	Preparation of plastered or concrete surface for painting, including sand papering the surface, applying one coat of linseed oil and filling with approved quality filler, consisting of white lead linseed oil, varnish and Chalk mitti including finishing surface to the required finish including Priming Coat and Two coats of exterior readymixed paint. complete.	24.03	Sqm	77.00	(Rs. Seventy Seven only)	1850.00
43	Supply of Pressed Steel Chowkat Doors and windows frame of size 161mm x 60mm with 40 mm wide double rebate.	1029	Mtr.	395.50	(Rs. Three Hundred Ninety Five and Paise Fifty only)	406970.00
44	Supply of Pressed Steel Chowkat Doors and windows frame of size 113mm x 60mm with 35 mm wide single rebate.	239	Mtr.	332.50	(Rs. Three Hundred Thirty Two and Paise Fifty only)	79554.00
45	Cold twisted deformed (ribbed/ tor steel) Bars, for R.C.C. works, where not included in the complete rate of R.C.C. including bending, binding, and placing in position complete.	4680	Qtl.	4069.80	(Rs. Four Thousand Sixty Nine and Paise Eighty only)	19046664.00
46	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, rivetted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	62.18	Qtl.	6041.00	(Rs. Six Thousand Forty One only)	375629.00
47	Preparation of Sub Grade including trenching, rough dressing of spoil, final dressing of earth to give level and camber, watering, rolling with a road roller and compacting the bed.	1213.55	Sqm	4.68	(Rs. Four and Paise Sixty Eight only)	5679.00
48	Cement concrete (1:2:4) in pavements, roads, taxi tracks and runways, laid to required slope and camber including consolidation, finishing and	121.36	Cum	2921.45	(Rs. Two Thousand Nine Hundred Twenty One and	354547.00

Contractor

Witness

Divisional Engineer

	tamping complete.				Paise Forty Five only)	
49	Making and filling expansion joints with bituminous filler (Bitumen 40 percent) asbestos 5 percent and sand 55 percent) 12.5 mm wide.	3400	Per Mtr. Per Cm depth	2.14	(Rs. Two and Paise Fourteen only)	7276.00
50	Supplying laying and fixing kerb of plain precast cement concrete (1:2:4) size 2'-0"x1'-0"x0'-4"+0'-3"/2	106.68	Rmt	193.37	(Rs. One Hundred Ninety Three and Paise Thirty Seven only)	20629.00
51	Providing Laying R.W. PVC Pipe 0'-4" i/d 4 kg./cm2 Pressure ISI Marked fixing in position.	10.97	Mtr.	325.00	(Rs. Three Hundred Twenty Five only)	3565.00
52	Providing and Fixing PVC Bend.	3	Each	150.00	(Rs. One Hundred Fifty only)	450.00
53	Factory manufactured solid flush door fixed in position including cost of teak wood chowkats iron hold fast, corner straps iron hinges cleats and stops etc. (excluding the cost of any fittings other than specified above but including labour for fixing the same in position.)					
	Commercial with elm or gurjan facing on both sides with laminated core and lipped edges :-					
	Door (35mm)	165.23	Sqm	2194.50	(Rs. Two Thousand One Hundred Ninety Four only)	362597.00
	Window (30mm)	75.24	Sqm	2033.00	(Rs. Two Thousand Thirty Three only)	152963.00
54	Wire gauge kiln Seasoned Hollock wood door shutter without springs in chowkat.	148.20	Sqm	1567.50	(Rs. One Thousand Five Hundred Sixty Seven and Paise Fifty only)	232304.00
55	Providing and Fixing of Joinery Fitting Aluminium fittings ISI marked complete for doors, windows, such as tower bolts, handles and screws etc. for these fittings (excluding sliding bolts).					
	Tower Bolts (8" long)	168	Each	80.00	(Rs. Eighty only)	13440.00
	Tower Bolts (6" long)	224	Each	65.00	(Rs. Sixty Five only)	14560.00
	Handle (6" long)	156	Each	68.00	(Rs. Sixty Eight only)	10608.00
	Handle (4" long)	224	Each	54.00	(Rs. Fifty Four only)	12096.00
56	Sand filling under floors and in wells of bridge foundation including handling within 100 metres.	1525	Cum	66.20	(Rs. Sixty Six and Paise Twenty only)	100955.00
57	Providing and Fixing of Sliding Bolts of Aluminium complete as per specification.					
	12" long	6	Each	288.00	(Rs. Two Hundred Eighty Eight only)	1728.00
	10" long	77	Each	240.00	(Rs. Two Hundred Forty only)	18480.00

Contractor

Witness

Divisional Engineer

58	Providing and Fixing Conopy on the seating area shall be constructed in Pre-Engineered High-Tensile Steel Structure with roofing and ceiling of Powder Coated sheet roll formed Profile sheets as per colour scheme including false ceiling of Gypsum Board complete in all respect.	2630	Sqm	4000.00	(Rs. Four Thousand only)	10520000.00
59	Providing and Fixing Conopy consisting of MS sturcture steel and fible sheet 300 micron as per drawing and design complete in all respect. (Public Seating Area).	1739	Sqm	2000.00	(Rs. Two Thousand only)	3478000.00
60	Add/subtract for using excess/less cement content in designed concrete mix for variation of cement content from that required for nominal cement concrete 1:2:4.	3120	Bags	261.68	(Rs. Two Hundred Sixty One and Paise Sixty Eight only)	816442.00
61	Providing and laying of Granular sub base material 150 mm thick compacted including making side dowels, Carrying. The material from stacks and spreading to Templates and consolidation. The sub base of proper camber with road Roller complete as per PWD / MORT & H specification to the entire satisfaction of E.I.C.	182	Cum	1236.00	(One Thousand Two Hundred Thirty Six only)	224952.00
62	Supplying Laying and Consolidation of over gauge stone metal 55mm to 22.4mm gauge as per grading No. 1 of M.O.S.T. specification No. 404 to water bound macadam specifications including making side dowels, carrying the metal from stacks and spreading to templates, screening and spreading the blinding material and consolidating the stone metal and blinding material to proper camber with road roller, including the cost of templates, barriers and lighting arrangement and chowkidars complete in all respect and entire satisfaction of Engineer-In-Charge.	182	Cum	1498.00	(Rs. One Thousand Four Hundred Ninety Eight only)	272636.00
63	Extra Carriage of Material					
	Fine Sand	3709	Cum	322.75	(Rs. Three Hundred Twenty Two and Paise Seventy Five only)	1197080.00
	Coarse Sand/Bajri	3844.81	Cum	515.05	(Rs. Five Hundred Fifteen and Paise Five only)	1980269.00
64	Extra Contractor Profit arranged by Contractor					
	Steel	4680	Qtl.	340.00	(Rs. Three Hundred Forty only)	1591200.00
	Cement	30486	Bags	25.50	(Rs. Twenty Five and Paise Fifty only)	777393.00
					Total =	74551063.00
	PUBLIC HEALTH WORK					
	(Sub Head-I ESTATE WATER SUPPLY)					
1	Excavation for Pipe Lines in trenches and pits up to 1.5m depth as per CSR	320	% Cum	7870.00	(Rs. Seven Thousand Eight Hundred Seventy only)	25184.00
2	Supply & Fixing of 15mm G.M. Ferrule as per ISI Specifications	5	Each	415.00	(Rs. Four Hundred Fifteen	2075.00

Contractor

Witness

Divisional Engineer

					only)	
3	Bailing out water from trenches for making new connections in fully charged pipe lines complete as per CSR.	1	Each	451.24	(Rs. Four Hundred Fifty One and Paise Twenty Four only)	451.00
4	Providing, Laying, Jointing, Fixing & Testing G.I Pipe Lines "B" Class ISI Marked including specials inside building & testing etc. complete in all respects. For Connection from existing Line					
(a)	50 mm i/d	123.44	Mtr.	455.00	(Rs. Four Hundred Fifty Five only)	56165.00
(b)	40 mm i/d	123.44	Mtr.	375.00	(Rs. Three Hundred Seventy Five only)	46290.00
5	Providing & Fixing G.I. Union on G.I pipe line ISI marked					
(a)	50 mm i/d	4	Each	317.00	(Rs. Three Hundred Seventeen only)	1268.00
(b)	40 mm i/d	4	Each	275.00	(Rs. Two Hundred Seventy Five only)	1100.00
6	Prov & Fixing Gun Metal Peet Valves Heavy Pattern ISI Marked with hand wheels as per CSR.					
(a)	50 mm i/d	2	Each	2560.00	(Rs. Two Thousand Five Hundred Sixty only)	5120.00
(b)	40 mm i/d	2	Each	2000.00	(Rs. Two Thousand only)	4000.00
7	Construction of peet valve chamber	4	Each	811.00	(Rs. Eight Hundred Eleven only)	3244.00
8	Making connection with existing water supply	1	Each	720.00	(Rs. Seven Hundred Twenty only)	720.00
					Total =	145617.00
	(Sub Head-II INTERNAL WATER SUPPLY)					
1	Providing, Laying, Jointing, Fixing & Testing G.I Pipe Lines "B" Class ISI Marked including specials inside building & testing etc. complete in all respects.					
	25 mm I/D Pipe Line	166.42	Mtr.	245.00	(Rs. Two Hundred Forty Five only)	40773.00
	20 mm I/D Pipe Line	101.19	Mtr	184.00	(Rs. One Hundred Eighty Four only)	18619.00
	15 mm I/D Pipe Line	34.75	Mtr	153.00	(Rs. One Hundred Fifty Three only)	5317.00
2	Providing & Fixing G.I. Union on G.I pipe line ISI marked					
	25 mm i/d	18	Each		(Rs. One Hundred Forty	2556.00

Contractor

Witness

Divisional Engineer

				142.00	Two only)	
	20 mm i/d	12	Each	112.00	(Rs. One Hundred Twelve only)	1344.00
	15 mm i/d	6	Each	66.00	(Rs. Sixty Six only)	396.00
3	Supplying & Fixing of 1000.00 liters capacity Sintex Tank as per analysis(ISI Marked).	4000	Ltr.	5.70	(Rs. Five and Paise Seventy only)	22800.00
4	Prov & Fixing Automatic brass valves in tanks as per CSR.					
	25 mm i/d	4	Each	445.95	(Four Hundred Forty Five and Paise Ninety Five only)	1784.00
5	Prov & Fixing Gun Metal Peet Valves Heavy Pattern with hand wheels as per CSR (ISI Marked).					
	25 mm i/d	12	Each	781.00	(Rs. Seven Hundred Eighty One only)	9372.00
6	Cutting chase in brick walls in cement or in floor and making good the same to its original condition					
	Size 75mm x 75mm	253.94	Mtr.	36.37	(Rs. Thirty Six and Paise Thirty Seven only)	9236.00
7	Supply of water cooler storage type capacity 60/120 ltr	1.00	Each	30500.00	(Rs. Thirty Thousand Five Hundred only)	30500.00
8	Supplying & fixing of stabilizer for water cooler with storage type capacity 60/120 ltr	1.00	Each	2650.00	(Rs. Two Thousand Six Hundred Fifty only)	2650.00
9	Supplying & fixing of M.S.stand for water cooler compete painted	1.00	Each	750.00	(Rs. Seven Hundred Fifty only)	750.00
10	Supplying & fixing of AQUA GUARD filter CLASSIC model	1.00	Each	9490.00	(Rs. Nine Thousand Four Hundred Ninety only)	9490.00
					Total =	155587.00
	(SUB HEAD-III ESTATE SEWERAGE)					
1	Excavation of trenches in streets lanes or in open area as per CSR	83.39	% Cum	17980.00	(Rs. Seventeen Thousand Nine Hundred Eighty only)	14994.00
2	Providing Lowering, Jointing & Cutting S.W. Pipe & Spls. of Ist quality as per IS-457 Laying out the same to correct alignment gradient levels etc. in trenches including all dressing & trimming jointing with cement sand mortar 1:1 and best white Italian Tarred Hemp yarns troweling each joint at an angle of 45 degree complete in all respect	90	Mtr.	330.00	(Rs. Three Hundred Thirty only)	29700.00
	200 mm i/d pipe					
3	Supplying and Fixing PVC steps as per IS Code	8	Each	130.00	(Rs. One Hundred Thirty only)	1040.00
4	Supplying and Fixing R.C.C. manhole cover and frame 22" I/d ISI marked	2	Each	1650.00	(Rs. One Thousand Six	3300.00

Contractor

Witness

Divisional Engineer

	incl. C.C.1:2:4 around frame				Hundred Fifty only)	
5	Cement conc.1:4:8 with brick ballast of 20mm gauge	15.44	Cum	1981.35	(Rs. One Thousand Nine Hundred Eighty One and Piase Thirty Five only)	30592.00
6	Const of Brick Masonry manholes complete as per detail attached.	2	Each	14500.00	(Rs. Fourteen Thousand Five Hundred only)	29000.00
(b)	Up to 6.58' depth size 5'x3'					
7	Making connection with existing sewer (as per Analysis of Rate attached)	1.00	Each	1100.00	(Rs. One Thousand One Hundred only)	1100.00
8	Construction of brick masonry inspection chambers size as given below up to 0.60 meter average depth in 1:5 cement sand mortar, complete as per standard design with RCC Manhole Cover & Frame instead of CI Cover Frame.					
(c)	Size 600mm x 900 mm inside	8	Each	5524.20	(Rs. Five Thousand Five Hundred Twenty Four and Paise Twenty only)	44194.00
9	Extra for every 0.30 meter depth of inspection chamber :-					
(c)	600mm x 900mm,	12	Each	838.20	(Rs. Eight Hundred Thirty Eight and Paise Twenty only)	10058.00
10	Providing and fixing in position gully traps fixed in cement concrete 1:4:8 complete with H.C.I. grating 150mmx150mm as per CSR.					
(a)	100 mm internal diameter H.C.I. gully trap.	9	Each	1091.25	(Rs. One Thousand Ninety One and Paise Twenty Five only)	9821.00
					Total =	173799.00
	(SUB HEAD-IV SANITARY INSTALLATION)					
1	Prov & Fixing in position HCI Soil waste pipe vent or antishyphonage pipes etc ISI Specifications.					
	100 mm i/d	78.64	Mtr.	765.00	(Rs. Seven Hundred Sixty Five only)	60160.00
	75 mm i/d	154.53	Mtr.	675.90	(Rs. Six Hundred Seventy Five and Paise Ninety only)	104447.00
2	Providing and fixing in position H.C.I special for soil waste vent or anti syphonage pipes but excluding etc., cost of lead jointing.					
	100 mm i/d					
	H.R.Bend	12	Each	430.20	(Rs. Four Hundred Thirty and Paise Twenty only)	5162.00
	Door Piece	12	Each	535.50	(Rs. Five Hundred Thirty	6426.00

Contractor

Witness

Divisional Engineer

					Five and Paise Fifty only)	
	Bend Plain	12	Each	386.10	(Rs. Three Hundred Eighty Six and Paise Ten only)	4633.00
	Collars	50	Each	242.10	(Rs. Two Hundred Forty Two and Paise Ten only)	12105.00
	Cowls	8	Each	409.50	(Rs. Four Hundred Nine and Paise Fifty only)	3276.00
	P Trap	8	Each	640.80	(Rs. Six Hundred Forty and Paise Eighty only)	5126.00
	75 mm i/d					
	Door Piece	42	Each	485.55	(Rs. Four Hundred Eighty Five and Paise Fifty Five only)	20393.00
	Bend Plain	42	Each	324.90	(Rs. Three Hundred Twenty Four and Paise Ninety only)	13646.00
	Collars	90	Each	191.70	(Rs. One Hundred Ninety One and Paise Seventy only)	17253.00
	Cowls	10	Each	365.40	(Rs. Three Hundred Sixty Five and Paise Forty only)	3654.00
	HR Bend	10	Each	374.85	(Rs. Three Hundred Seventy Four and Paise Eighty Four only)	3749.00
3	Providing lead caulked joints H.C.I. pipes and specials conforming to I.S.I. specification including cost of lead yarn, fuel and tools etc. -					
	100 mm i/d	298	Each	339.75	(Rs. Three Hundred Thirty Nine and Paise Seventy Five only)	101246.00
	75 mm i/d	526	Each	284.40	(Rs. Two Hundred Eighty Four and Paise Forty only)	149594.00
4	Providing and fixing H.C.I. floor traps complete in all respects minimum depth of water should be 150 mm with a minimum seal of 50mm.					
	75 mm i/d	70	Each	1199.25	(Rs. One Thousand One Hundred Ninety Nine and Paise Twenty Five only)	83948.00
5	Providing and fixing in position best Indian make (as approved by the Engineer-in-charge) European type water closet suite symphonic type, consisting of :-					
	(ii) With S Trap	22	Each	4486.25	(Rs. Four Thousand Four	98698.00

Contractor

Witness

Divisional Engineer

					Hundred Eighty Six and Paise Twenty Five only)	
6	Extra over items nos 30.1 to 30.4 for providing and fixing 15 ltr capacity low level vitreous chinaware cistern complete as per CSR.	22	Each	1214.92	(Rs. One Thousand Two Hundred Fourteen and Paise Ninety Two only)	26728.00
7	Extra over items nos 30.3 to 30.5 for providing and fixing best Indian make plastic hygienic seat with lid white plastic complete as per CSR. (Solid)	22	Each	509.25	(Rs. Five Hundred Nine and Paise Twenty Five only)	11204.00
8	Extra for providing and fixing 32 mm dia G.I./C.P. flush pipe 32 mm dia CP brass flush pipe complete as per CSR.	22	Each	339.50	(Rs. Three Hundred Thirty Nine and Paise Fifty only)	7469.00
9	Providing and fixing in position best Indian make paper holders fixed into wall with C.P. brass screws complete in all respects					
	(a) C.P. brass toilet paper holder.	22	Each	223.10	(Rs. Two Hundred Twenty Three and Paise Ten only)	4908.00
10	Prov. and Fixing C.P. Spray Jet for EWC (As per Analysis of rate attached)	22	Each	357.00	(Rs. Three Hundred and Paise Fifty Seven only)	7854.00
11	Extra for wall Hanging EWC set with cistern complete in all respect. Ivory colour (As per Analysis of rate attached)	22	Each	10270.00	(Rs. Ten Thousand Two Hundred Seventy only)	225940.00
12	Providing and fixing in position best Indian make white ordinary lavatory suites					
	Size 550 mm x 400 mm with one tap	36	Each	2400.75	(Rs. Two Thousand Four Hundred and Paise Seventy Five only)	86427.00
13	Extra for Providing & Fixing oval round wash hand basin comp in all respect.	36	Each	375.00	(Rs. Three Hundred Seventy Five only)	13500.00
14	Extra for colored oval wash hand basin complete in all respects. (As per Analysis of rate attached)					
	oval wash basin	36	Each	713.00	(Rs. Seven Hundred Thirteen only)	25668.00
15	Providing and fixing in position 32 mm dia G.I. waste pipe embedded in wall or lead waste pipe weighing 3.47 kg per meter and 2.8 mm thick up to floor level including cost of wiped solder joint etc. complete as required by the Engineer in charge -					
	(b) G.I. waste pipe	57	Each	494.70	(Rs. Four Hundred Ninety Four and Paise Seventy only)	28198.00
16	Providing and fixing in position central hole basin mixer w.o. popup waste system with 450mm long braided hoses(As per analysis of rate attached) JAGUAR make catalogue no 167 B	36	Each	1793.00	(Rs. One Thousand Seven Hundred Ninety Three only)	64548.00
17	Providing and fixing in position best Indian make towel rails fixed in with					

Contractor

Witness

Divisional Engineer

	rowel plugs embedded in walls with C.P. brass screws, complete in all respects including cutting and making good the walls etc.					
	(b) 20 mm dia C.P. brass adjustable.					
	ii) 600 mm long	28	Each	582.00	(Rs. Five Hundred Eighty Two only)	16296.00
18	Providing and fixing in position glass shelf fixed in with rawl plugs with C.P. brass screws, complete including cutting and making good the walls, etc. :-					
	(a) With C.P. brass brackets and guard rail -					
	(i) 600mmx125mm.	20	Each	315.25	(Rs. Three Hundred Fifteen and Paise Twenty Five only)	6305.00
19	Providing and fixing in position best Indian make soap dish fixed into wall with C.P. brass screws and complete in all respects (a) C.P. Brass.(i) Soap dish large.	20	Each	208.55	(Rs. Two Hundred Eight and Paise Fifty Five only)	4171.00
20	Providing and fixing in position best Indian make beveled edge 5.5 mm thick mirror mounted on asbestos sheet ground fixed in position complete including cutting and making good the walls etc.					
	(a) Indian make.	105.58	Sft	242.00	(Rs. Two Hundred Forty Two only)	25550.00
21	Providing and fixing in position best Indian make a Range of four stall urinals 1140 mm high in vitreous chinaware white without 2 no.5 liters capacity C.I automatic flushing cisterns with fittings and flush pipe complete as fully described in item no. 30.25 above.	2	Each	34071.05	(Rs. Thirty Four Thousand Seventy One and Paise Five only)	68142.00
22	Providing and fixing in position best Indian make a range of three stall urinals 1140 mm high in vitreous chinaware white without one no. 10 liters capacity C.I automatic flushing cistern with fittings and flush pipe complete as fully described in item no. 30.25 above Range of three urinals.	6	Each	25078.00	(Rs. Twenty Five Thousand Seventy Eight only)	150468.00
23	Providing and fixing in position best Indian make a range of two stall urinals 1140 mm high in vitreous chinaware white without one no. 5 liters capacity C.I automatic flushing cistern with fittings and flush pipe complete as fully described in item no. 30.25 above Range of two urinals.	2	Each	16374.33	(Rs. Sixteen Thousand Three Hundred Seventy Four and Paise Thirty Three only)	32749.00
24	Extra for Prov. and Fixing Ivory color urinal stall type instead of white urinal	30	Each	1070.00	(Rs. One Thousand Seventy only)	32100.00
25	Providing and fixing 25 mm thick marble partitions for different type of urinals -					
	(b) Vitreous chinaware partition plate- (Large size 835mm x 355mm white)	27	Each	1372.55	(Rs. One Thousand Three Hundred Seventy Two and Paise Fifty Five only)	37059.00
26	Extra for Prov. and Fixing Ivory color urinal partition instead of white urinal	27	Each	126.00	(Rs. One Hundred Twenty Six only)	3402.00

Contractor

Witness

Divisional Engineer

27	Providing and fixing censor for urinals JAGAUUR or equivalent make approved by EIC concealed type with flushing valve for urinal & complete with installation box with control cock. As per Analysis of rate attached)	30	Each	15264.00	(Rs. Fifteen Thousand Two Hundred Sixty Four only)	457920.00
28	Providing and fixing in position best Indian make vitreous China ware white channel of size 600 mmx150mm including laying and fixing in cement concrete 1:2:4 complete as per required by the Engineer-in-charge.	60	Each	611.82	(Rs. Six Hundred Eleven and Paise Eighty Two only)	36709.00
29	Providing and fixing in position 15mm i/d C.P. brass bib cocks of best quality (as approved by the Engineer-in-charge).					
	Bib cock long body	20	Each	581.03	(Rs. Five Hundred Eighty One and Paise Three only)	11621.00
	Bib cock	22	Each	439.65	(Rs. Four Hundred Thirty Nine and Paise Sixty Five only)	9672.00
30	Providing and fixing in position C.P. brass stop cock (as approved by the Engineer-in-charge).					
	Stop cock	106	Each	444.26	(Rs. Four Hundred Forty Four and Paise Twenty Six only)	47092.00
	Concealed Stop cock	56	Each	505.37	(Rs. Five Hundred Five and Paise Thirty Seven only)	28301.00
31	Providing and fixing in position best Indian make C.P. brass inlet connection 15 mm with 375 mm pipe and C.P. brass nuts.	90	Each	520.16	(Rs. Five Hundred Twenty and Paise Sixteen only)	46814.00
32	Providing and fixing in position best Indian make shower with 15 or 20 mm I/D Inlet.	8	Each	377.81	(Rs. Three Hundred Seventy Seven and Paise Eighty One only)	3022.00
33	Providing and fixing in position shower arm 190mm light body with wall flange (As per rate list attached) JAGUAR make catalogue no 477 or equivalent make approved by EIC.	8	Each	508.00	(Rs. Five Hundred Eight only)	4064.00
34	Providing and fixing in position best quality stainless steel sinks with complete fitting as fully described in item no. 30.45					
	(a)Size 600 mm x 450 mm x 200 mm (Net size excluding flat edge)	2	Each	7354.80	(Rs. Seven Thousand Three Hundred Fifty Four and Paise Eighty only)	14710.00
35	Providing and fixing 40 mm I/D G.I waste pipe embedded in walls or lead waste pipe weighing 4.46 kg./Meter and 3.00 mm thick up to floor level as required by the Engineer-in-Charge including cost of union and plumber joint.					
	(a)G.I. waste pipe	2	Each	264.32	(Rs. Two Hundred Sixty Four and Paise Thirty Two	529.00

Contractor

Witness

Divisional Engineer

					only)	
36	Providing & Fixing in position best Indian make coat and hat hooks fixed into wall with c.p. brass screws and rawl plugs etc. complete including cutting and making good the walls etc.					
	a)C.P. Brass twin way	16	Each	144.53	(Rs. One Hundred Forty Four and Paise Fifty Three only)	2312.00
37	CC 1:2:4 with ballast on HCI Pipes	15.21	Cum	2659.65	(Rs. Two Thousand Six Hundred Fifty Nine and Paise Sixty Five only)	40453.00
38	Providing and fixing in position water heater with blue diamond coating, single element, bearing up to 6kg/cm pressure,multy function safety valve, surface type thermostat 70 lit capacity model ELIV 70/ELIH 70 (As per analysis of rate attached) JAGUAR or equivalent make approved by EIC.	8	Each	18880.00	(Rs. Eighteen Thousand Eight Hundred Eighty only)	151040.00
39	Providing & Fixing in position CP cap for Bib tap & stop cocks on walls	132	Each	31.00	(Rs. Thirty One only)	4092.00
40	Extra for prov. C.P. Fitting of JAGUAR Continental of or equivalent make approved by EIC instead of ordinary fitting complete in all respect. (As per Analysis of rate attached)					
	Toilet paper Holder	22	Each	568.00	(Rs. Five Hundred Sixty Eight only)	12496.00
	Towel Rail	28	Each	935.00	(Rs. Nine Hundred Thirty Five only)	26180.00
	Soap Dish	20	Each	827.00	(Rs. Eight Hundred Twenty Seven only)	16540.00
	Bib Cock	22	Each	86.00	(Rs. Eighty Six only)	1892.00
	Long Body Bib Cock	20	Each	273.00	(Rs. Two Hundred Seventy Three only)	5460.00
	Stop Cock	106	Each	75.00	(Rs. Seventy Five only)	7950.00
	Concealed Stop Cock	56	Each	205.00	(Rs. Two Hundred Five only)	11480.00
	Shower	8	Each	637.00	(Rs. Six Hundred Thirty Seven only)	5096.00
	Glass Shelf	34	Each	1521.00	(Rs. One Thousand Five Hundred Twenty One only)	51714.00
41	Providing & Fixing in position CP extension piece for bib cock & stop cocks on walls	128	Each	83.00	(Rs. Eighty Three only)	10624.00
42	Extra for Providing & Fixing in position CP JAGUAR make Metropolis flush valve dual flow concealed body with control cock 32mm size incl. VAT and G.I pipe 32mm i/d (As per rate list attached) JAGUAR cat no 1085 or	22	Each	5686.00	(Rs. Five Thousand Six Hundred Eighty Six only)	125092.00

Contractor

Witness

Divisional Engineer

	equivalent make approved by EIC.					
					Total =	2540470.00
	ELECTRICAL WORK					
1	RECESSED PVC CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES:					
	Wiring in P.V.C. insulated Fire Retardant copper conductor ISI marked (Unsheathed) flexible multistrand cable to be laid in heavy gauge welded conduit pipe 20mm/25mm dia (1.6mm thick) 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, 5pin 6Amp., 6pin 16/20Amp. Sockets and 6/16/20Amp. 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 100watts, PVC connector (For Fan Box and Electronic Buzzer), PVC Bush, Steel Hooks, Circular Inspection Box (Recessed Type and Deep Type) conduit pipe & copper wire and other Petty material etc. including the cost of cutting and filling up of chases:-					
	i)Wiring Fan point without fan box in 1.5mm ² Copper conductor cable with step type electronic fan regulator 100watts.	-	Each	990.00	Rs. Nine hundred ninety only	-
	i) Wiring Fan point with Sheet Metal fan box (Shape Hexagonal & Sheet Thickness not less than 1.6mm) in 1.5mm ² Copper conductor cable with step type electronic fan regulator 100watts.	31	Each	1097.00	Rs. One thousand ninety seven only	34007.00
	ii) Wiring light point in 1.5mm ² Copper conductor cable.	102	Each	741.00	Rs. Seven hundred forty one only	75582.00
	iii) Wiring call-bell point in 1.5mm ² Copper conductor cable with bell push and electronic buzzer 230 Volts AC (including the cost of bell push, electronic buzzer & powder coated concealed metal box for electronic buzzer).	4	Each	974.00	Rs. Nine hundred seventy four only	3896.00
	iv) Wiring 5pin 6Amp. Wall socket (Shuttered) point in 1.5mm ² copper conductor cable complete with bonding to existing earth with 1mm ² PVC insulated (Unsheathed) flame retardant single core multistrand copper conductor cable.	12	Each	608.00	Rs. Six hundred eight only	7296.00
	v) Wiring 5pin 6Amp. Plug control comprising wall socket (shuttered) and switch including bonding to existing earth with 1mm ² PVC insulated (Unsheathed) flame retardant single core multistrand copper conductor cable.	1	Each	349.00	Rs. Three hundred forty nine only	349.00
	vi) Wiring 6pin 6/16/20Amp. Plug control comprising wall socket (shuttered) and switch including bonding to existing earth with 1mm ² PVC insulated (Unsheathed) flame retardant single core multistrand copper	8	Each	359.00	Rs. Three hundred fifty nine only	2872.00

Contractor

Witness

Divisional Engineer

	conductor cable.					
	vii) Wiring light point in 1.5mm ² copper conductor cable with double control switches.	-	Each	1120.00	Rs. One thousand one hundred twenty only	-
2	Supply & erection of pipe for wiring purposes including bends, inspection boxes etc., where necessary including painting as required:-					
	i) Heavy gauge welded conduit pipe (1.60mm thick) 20mm dia.(flushed).	100	Mtr.	54.60	Rs. Fifty four & paise sixty only	5460.00
	ii) Heavy gauge welded conduit pipe (1.60mm thick) 25mm dia.(flushed).	50	Mtr.	65.10	Rs. Sixty five & paise ten only	3255.00
	iii) Heavy gauge welded conduit pipe (1.60mm thick) 32mm dia.(flushed).	50	Mtr.	79.80	Rs. Seventy nine & paise eighty only	3990.00
	iv) Heavy gauge welded conduit pipe (1.60mm thick) 38/40mm dia.(flushed).	-	Mtr.	100.80	Rs. One hundred & paise eighty only	-
3	P.V.C INSULATED (Unsheathed) COPPER CONDUCTOR CABLES:					
	Supply & erection of P.V.C. insulated single core cable with ISI marked copper conductor (Unsheathed) left bare in pipe or casing of suitable size excluding the cost of supply & erection of pipe or casing:-					
	i) Cable Size 1.5mm ² copper conductor 1100 volts grade.	250	Mtr.	11.97	Rs. Eleven & paise ninety seven only	2993.00
	ii) Cable Size 2.5mm ² copper conductor 1100 volts grade.	100	Mtr.	17.67	Rs. Seventeen & paise sixty seven only	1767.00
	iii) Cable Size 4mm ² copper conductor 1100 volts grade.	50	Mtr.	27.36	Rs. Twenty seven & paise thirty six only	1368.00
	iv) Cable Size 6mm ² copper conductor 1100 volts grade.	100	Mtr.	39.05	Rs. Thirty nine & paise five only	3905.00
	v) Cable Size 10mm ² copper conductor 1100 volts grade.	200	Mtr.	58.71	Rs. fifty eight & paise seventy one only	11742.00
	vi) Cable Size 16mm ² copper conductor 1100 volts grade.	-	Mtr.	102.60	Rs. One hundred two & paise sixty only	
4	MINIATURE CIRCUIT BREAKERS/ ISOLATORS:					
	Supply and erection of Miniature circuit breaker/ Isolator, including connections etc:-					
	i) Miniature circuit breaker single pole 5 to 30amp. suitable for 240/415volts 50cycles A.C. supply.	36	Each	154.80	Rs. One hundred fifty four & paise eighty only	5573.00
	ii) Miniature circuit breaker triple pole with neutral link 40, 50, 63Amp. suitable for 240/415volts 50cycles A.C. supply.	2	Each	912.00	Rs. Nine hundred twelve only	1824.00
5	MCB DISTRIBUTION BOARD (DOUBLE DOOR)					
	Supply and Erection of Sheet Metal Double Door T.P. & N. distribution Board (dust protected) provided with bus-bar, neutral-link and din-bar, suitable for incorporating S.P./S.P. & N Isolators or cubical switch for					

Contractor

Witness

Divisional Engineer

	incoming & single pole M.C.B's for outgoing 6way each including bonding to existing earth.					
	i) TPN 6 way DB	2	Each	2261.00	Rs. Two thousand two hundred sixty one only	4522.00
6	EARTHING OF METALLIC CASES ETC.:					
	i) Earthing of metallic cases etc., with G.I stranded wire No. 7/12S.W.G. (7/2.80mm) in 20mm dia. G.I pipe recessed in wall and floor etc., as required.	20	Mtr.	115.50	Rs. One hundred fifteen & paise fifty only	2310.00
	ii) Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 7/12SWG (7/2.80mm) GI stranded wire in 20mm dia. G.I. Pipe partly recessed and partly on surface complete with 135 cm long 50mm dia GI earth pipe G.I reducing socket (50mmx20mm) including erection of the same 4 metre below ground level with necessary charcoal & salt mixture etc., up to 9metre in length (including boring & refilling).	4	Each	1459.50	Rs. One thousand four hundred fifty nine & paise fifty only	5838.00
	iii) Earthing of Sheet metal/ iron clad switches and metallic cases etc., with (20mm x 3mm) thick copper tape rivetted to (30cm x 120cm x 3mm thick) tinned Copper plate (made cylindrical) burried 10metre below ground level and surrounded by salt & charcoal dust mixture including fixing the copper tape on wall and in floor etc., with copper stapples of suitable size up to 13metre in length.	2	Each	9155.00	Rs. Nine thousand one hundred fifty five only	18310.00
	iv) Supply and erection of 20mm x 3mm thick Copper Tape (As additional length).	30	Mtr.	222.00	Rs. Two hundred twenty two only	6660.00
7	SUPPLY AND ERECTION OF FITTINGS:-					
	i) Bakelite Batton holder large size.	-	Each	16.80	Rs. Sixteen & paise eighty only	-
	ii) Bell-Push Surface / flush piano type with 4.25m flexible twin 16/0.20mm (0.5mm ²) wire.	4	Each	61.25	Rs. Sixty one & paise twenty five only	245.00
8	Supply & erection of starter unit for A.C comperising of 1No. starter 20 Amp., D.P ., 1N0 20 Amp 3 pin Modular Type Socket including cost of M.S Box and front plate complete in all respects, recessed in wall etc.	3	Each	727.00	Rs.Seven hundred twenty seven only	2181.00
9	Supply and erecting of S.W./G.I/C.I/ M.S Pipe across the road including remetalling the same to the original form.					
	i) Galvanized Iron Pipe 100mm dia.	25	Each	497.25	Rs. Four hundred ninety seven & paise twenty five only	12431.00
10	P.V.C INSULATED ARMOURED CABLES(ON SURFACE):					
	Supply and laying of P.V.C insulated P.V.C sheathed aluminium conductor armoured cable working voltage upto and including 1100 volts grade(on surface) as size required:-					
	i) P.V.C insulated P.V.C sheathed aluminium conductor armoured (Twin	100	Mtr.	101.50	Rs. One hundred one &	10150.00

Contractor

Witness

Divisional Engineer

	core) cable of size 10mm ² .				paise fifty only	
11	Supply and erection of sheet metal/iron clad switch on existing surface with G.I bolts & nuts/rag bolts and nuts etc., according to the size of holes in the body of the switch including bonding to the existing earth:-					
	i) Sheet metal/ Iron clad double pole switch 32Amp.415 Volts.	1	Each	592.00	Rs. Five hundred ninety two only	592.00
12	Supply and erection of kit kat fuse unit 16A, 240 Volt in 15cmx15cmx6.35cm dup M.S Box with hinged cover complete in all respect.	4	Nos.	200.00	Rs. Two hundred only	800.00
13	Main L.T. PANEL					
	Supply, erection, testing & commissioning of Indoor Type Self standing cubical Main L.T. Control Panel fabricated out of 14/16 S.W.G . C.R.C.A. Sheet (size 1750mmx1600mmx400mm) with base frame made of suitable size channel duly painted with powder coated as per single line diagram.					
	i) 125 Amp T.P.N M.C.C.B. 25 KA with rotary handle as incomer . 1Nos.	1	Each	79900.00	Rs. Seventy nine thousand nine hundred only	79900.00
	ii) Volt., Amp., Frequency Metre with C.T.s 1 No.					
	iii) Phase Indicator 6 Nos.					
	iv) Four Pole Aluminium Bus Bar (25mmx6mm) 1No.					
	v) Changeover Switch Four Pole 125Amp., 415 Volt. 1No.					
	vi) TPN M.C.C.B. 63 Amp. As outgoing 4 No.					
	vii) TPN M.C.C.B. 32 Amp. As outgoing 3 No.					
14	Supply & erection of A.C ceiling fan double ball bearing Crompton make High Speed model or equivalent make, complete with blades , down rods and canopies, without regulator.					
	i) 900mm Sweep.	-	-	-	-	-
	ii) 1200mm Sweep.	-	-	-	-	-
	iii) 1400mm Sweep.	31	Each	1819.00	Rs. One thousand eight hundred nineteen only	56389.00
15	Supply & erection of Exhaust Fans Crompton Make EXHD series 380mm sweep 1400 Rpm. in existing holes complete with louver shutters.	6	Each	3321.00	Rs. Three thousand three hundred twenty one only	19926.00
16	Supply & erection of crompton Make Catalogue No. C.S.F.Q. 11236/E.B/P5 Decorative surface type mirror optic luminaire comprising of bright anodized aluminium reflector and P5 Paralite louvers, complete with 2 No.36 W. C.F.L. including erection of the same complete in all respects including necessary connections as per satisfaction of Engineer-in-Charge.	60	Each	3740.00	Rs. Three thousand seven hundred forty only	224400.00
17	Supply & erection of crompton Make mirror optics fitting catalogue No. TLE 211 EB suitable for 2x 11 watt CFL including erection of same complete with 2 Nos. 11 Watts CFL lamps including making necessary connections	36	Nos.	1340.00	Rs. One thousand three hundred forty only	48240.00

Contractor

Witness

Divisional Engineer

	as per satisfaction of Engineer-in-Charge.					
18	Supply & erection of flood light luminaries crompton make Catalogue No. FADT 1107 IH 09 Comprising of pressure die cast Aluminium housing, Anodized Reflector, toughened heat, registrant glass Cover complete with 70 Watts MH(DE) lamp complete in all respects with control gear etc.including making necessary connections as per satisfaction og E.I.C.	4	Nos.	4080.00	Rs. Four thousand eighty only	16320.00
	PROV.E.I. IN CANOPY OF 1500 SEATING CAPACITY					
1	RECESSED CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES :					
	Wiring in P.V.C insulated fire retardant copper conductor ISI marked (Unsheathed) flexible multistrand cable to be laid in heavy gauge welded conduit pipe 20mm/25mm dia (1.6mm thick) 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, 5pin 6Amp. 6pin 16/20Amp.socket and 6/16/20Amp. 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 100watts, PVC conductor (for fan box and electronic buzzer) PVC bush steel hooks, circular inspection box (recessed type and deep type) conduit pipe & copper wire and other petty material etc. including the cost of cutting and filling up of chases:-					
i.	Wiring light point in 1.5mm ² copper conductor cable.	70	Each	741.00	Rs. Seven hundred forty one only	51870.00
ii	wiring 6pin 6/16/20Amp. Plug control comprising wall socket (shuttered) and switch including bonding to existing earth with 1mm ² PVC insulated (Unsheathed) flame retardant single core multistrand copper conductor cable.	7	Each	359.00	Rs. Three hundred fifty nine only	2513.00
2	Supply & erection of pipe for wiring purposes including bends, inspection boxes etc, where necessary including painting as required.					
i	Heavy gague welded conduit pipe (1.60mm thick) 20mm dia. (flushed).	75	Mtr.	54.60	Rs. Fifty four & paise sixty only	4095.00
ii	Heavy gague welded conduit pipe (1.60mm thick) 25mm dia. (flushed).	50	Mtr.	65.10	Rs. Sixty five & paise ten only	3255.00
iii	Heavy gague welded conduit pipe (1.60mm thick) 32mm dia. (flushed).	100	Mtr.	79.80	Rs. Seventy nine & paise eighty only	7980.00
3	PVC INSULATED (UNSHEATED) COPPER CONDUCTOR CABLES:					
	Supply & erection of PVC insulated single core cable with copper conductor					

Contractor

Witness

Divisional Engineer

	(Unsheathed) left bare in pipe or casing of suitable size excluding the cost of supply & erection of pipe or casing:-					
i	Size 1.5 sqmm 1100 V (Grade)	350	Mtr.	11.97	Rs. Eleven & paise ninety seven only	4190.00
ii	Size 2.5 sqmm 1100 V (Grade)	----	----	17.67	Rs. Seventeen & paise sixty seven only	----
iii	Size 4 sqmm 1100 V (Grade)	200	Mtr.	27.36	Rs. Twenty seven & paise thirty six only	5472.00
iv	Size 6 sqmm 1100 V (Grade)	100	Mtr.	39.05	Rs. Thirty nine & paise five only	3905.00
v	Size 10 sqmm 1100 V (Grade)	220	Mtr.	58.71	Rs. Fifty eight & paise seventy one only	12916.00
4	MINIATURE CIRCUIT BREAKERS/ISOLATORS:					
	Supply and erection of miniature circuit breaker/isolator, including connections etc:-					
i	Miniature circuit breaker single pole 5,7,5,10,15,16,20,25 and 30Amp suitable for 240/415 volts 50 cycles A.C supply.	20	Each	154.80	Rs. One hundred fifty four & paise eighty only	3096.00
ii	Miniature circuit breaker triple pole with neutral link 40,50,63Amp. suitable for 240/415 volts 50 cycles A.C supply.	1	Each	912.00	Rs. Nine hundred twelve only	912.00
iii	Miniature circuit breaker double pole with neutral link 40,50,63Amp. suitable for 240/415 volts 50 cycles A.C supply.	3	Each	482.00	Rs. Four hundred eighty two only	1446.00
5	MCB DISCRIPTION BORAD (DOUBLE DOOR)					
	Supply and erection of sheet metal double door T.P&N distribution board (dust protected) provided with bus-bar suitable for incorporating S.P/S.P&N Isolater or cubical switch for incoming & single pole MCB for outgoing 4 way each including bonding including bonding to existing earth.	1	Each	1835.00	Rs. One thousand eight hundred thirty five only	1835.00
i	Supply and erection of sheet metal double door S.P&N distribution board (dust protected) provided with bus-bar, neutral link and din-bar, suitable for incorporating MCB/Isolaters, 8way each including bonding including bonding to existing earth.	1	Each	923.00	Rs. Nine hundred twenty three only	923.00
ii	Supply and erection of sheet metal double door S.P&N distribution board (dust protected) provided with bus-bar, neutral link and din-bar, suitable for incorporating MCB/Isolaters, 12way each including bonding including bonding to existing earth.	1	Each	1204.00	Rs. One thousand two hundred four only	1204.00
iii	Supply metal plug and socket distribution board single pole and neutral enclosure with a two-pin and earth plug-socket to incorporate one single pole MCB 20Amp.	2	Each	463.60	Rs. Four hundred sixty three & paise sixty only	927.00
6	EARTHING OF METALLIC CASES ETC.					
i	Earthing of matallic cases etc, with G.I stranded wire no. 7/12SWG (7/2.80mm) in 20mm dia. G.I pipe recessed in wall and floor etc, as	20	Mtr.	115.50	Rs. One hundred fifteen & paise fifty only	2310.00

Contractor

Witness

Divisional Engineer

	required.					
ii	Earthing of sheet metal /iron clad switches and metallic cases etc, with no 7/12 SWG (7/2.80mm) G.I stranded wire in 20mm dia. G.I pipe partly recessed and partly on surafce complete with G.I reducing socket (50mmx20mm) including erection of the same, 4metre below ground level with necessary charcoal & salt mixture etc, up to 9metre in lenght (including bording & refilling).	2	Each	1459.00	Rs. One thousand four hundred fifty nine only	2919.00
iii	Bonding to earth with G.I stranded wire no. 7/12 SWG (7/2.80mm) in 25mm dia, heavy gague(1.6mm thick) welded conduit pipe flushed.	40	Mtr.	70.00	Rs. Seventy only	2800.00
7	Supply & erection of crompton make recessed downlight catalogue no. DDLH 218 EB/N6 with 2 no. CFL 18W including cost of erection in existing fasle ceiling including cutting suitable size holes in fasle ceiling including connections etc. as per satisfaction of Enginner-in-charge.	66	Each	1280.00	Rs. One thousand two hundred eighty only	84840.00
	Supply & erection of 60watt LED flood light fitting rates IP-65 model tekno-lite model no.FD 60LD6000 (60x1 watt LED) input voltage range:- 85VAC -270, frequency power :- 47-63Hz power LED, LED quantity 60 pcs, LED luminous efficiency 95 lumen per watt, lunoous flux:- 6000 im, LED consumption:- 60 watt power supply consumption:- 10 watt total system consumption:- 70 w, colour temperature:- 2950K/6500K, the maximum light intensity angle 153/67 vertical 45 working temperatuir : 50 C 30 C working huminity 10% to 90% ?Rh, working life:-80000 Hrs, body material:- aluminium alloy diecast, total harmonic distortion:_<20% installation tube dia:- 60mm, CRI:- Ra 75, equivalent (HPSV):-150watt LED OSRAM, Seoual Semiconductor Cree,	4	Each	38344.00	Rs. Thirty eight thousand three hundred forty four only	153376.00
	IIIumination at:- 6M height> 26 lux					
	IIIumination at:- 8M height> 15 lux					
	IIIumination at:- 10M height> 9 lux					
	IIIumination at:- 12M height> 6 lux					
	PROV 1 NO. 25KVA 3 PHASE AIR COOLED DIESEL GEN. SET					
1	Supply erection/testing/commissioning of sound proof 3 phase 415 volts 50C/s 25 `KVA, 1500 RPM diesel gen set comprising of kirloskar green make 4 stroke-air cooled, diesel engine model HA 394 of suitable BHP or any other equivalent make 3 phase , 4 wire alternator (0.8 P.F lag) confirming to IS-4722/ BS-5000 both mounting aligned and close coupled on common base frame complete with standrad control panel and all strandard accessories like fuel tank, one no. exide/amron battery etc. the engine shall include flywheel with starter ring for gen set, air filter, lube oil cooler assembly, exhaust air manyfold, electrical staring system with	1	Each	421400.00	Rs. Four lac twenty one thousand four hundred only	421400.00

Contractor

Witness

Divisional Engineer

	starter motor and battery charging alternator. the alternator shall be self excited, self regulated with class H insulation suitable to with stand tropical conditions and suitable for an over load of 10% for one hour in every 12 hours opertion. the standed control panel consisting of OFF/ON/START Key, lube oil pressure gague ammeter, electric hour metre, temperature gague shall be installed inside the canopy .the DG set shall be installed on a 1:2:4 cement concrete platform of suitable size and thickness including making necessary connections testing etc, at site complete in all respects as per satisfaction of Engineer-in-charge.					
					TOTAL =	1448917.00

Note:- Being % rate tender the contractor should quote the rate in % below or above the total amount of the tender.
 In case there is any increase or decrease in item this % will remain applicable Below/Above % inwords.
 This DNIT Contains 1 to Pages.

Divisional Engineer(Civl-1),
 BDA-Bathinda.

Contractor

Witness

Divisional Engineer